



DEPARTMENT OF AGRICULTURE

WASHINGTON, D.C. 20250

7-20-66

USDA STATE DEFENSE POLICY MEMORANDUM NO. 49

OFFICIAL
SECRETARY'S FILES

Assistance for USDA County Defense Boards

FILED
SECY'S RECORDS & COM. DIV.

The responsibility for USDA County Defense Board guidance and training rests with the USDA State Defense Board. To enhance the training of USDA County Defense Board members, we will send you a series of readiness exercises on a quarterly basis for solution during future County Board meetings. Each problem will deal with a major subject area or closely related subject areas with which the Board would be faced in an emergency.

These exercises are designed to fit into the current guidance and training program without superseding or basically changing this program. The State Defense Board Chairman will make sure that the exercises do not result in duplication of effort or unreasonable deadlines.

Each of these exercises will provide the County Defense Board members with a better understanding of the postattack environment and a basis for:

- (1) Applying to practical situations defense guidance in the County Defense Operations Handbook, supplements to the emergency records and other official documents;
- (2) Determining the adequacy of emergency guidance for the solution of problems; and
- (3) Reporting results as an indication of progress and to assist the USDA State Defense Boards in identifying the subject matter areas that need more attention.

Upon receipt of a readiness exercise, the State Defense Board will:

- (1) Follow instructions on preparing it for distribution to the County Defense Boards;
- (2) Distribute to the County Defense Boards and instruct the County Boards to carry out the exercise during one or more regular meetings to be held within an appropriate time period;
- (3) Have the County Defense Board Chairman report the results to the State Defense Board Chairman as a part of their meeting minutes;
- (4) Review the answers received from each County Defense Board for adequacy and correctness; and

NATIONAL DEFENSE 7

DEPARTMENT OF AGRICULTURE
WASHINGTON, D. C. 20250



1-10-50

MAIL ROOM
RECEIVED

UNITED STATES DEPARTMENT OF AGRICULTURE

WASHINGTON, D. C. 20250

OFFICE OF THE SECRETARY

The following information was obtained from the records of the Department of Agriculture, Bureau of Plant Industry, on the subject of the importation of certain plants and plant products from the United States to the United Kingdom, and is being furnished to you for your information.

The Department of Agriculture has been advised that the United Kingdom Government has issued a notice requiring that certain plants and plant products imported from the United States must be accompanied by a phytosanitary certificate issued by the Department of Agriculture.

The Department of Agriculture is currently reviewing the requirements of the United Kingdom Government and is endeavoring to determine the steps which should be taken to comply with these requirements.

- (1) The Department of Agriculture is currently reviewing the requirements of the United Kingdom Government and is endeavoring to determine the steps which should be taken to comply with these requirements.
- (2) The Department of Agriculture is currently reviewing the requirements of the United Kingdom Government and is endeavoring to determine the steps which should be taken to comply with these requirements.
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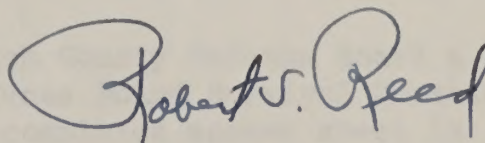
- (6) The Department of Agriculture is currently reviewing the requirements of the United Kingdom Government and is endeavoring to determine the steps which should be taken to comply with these requirements.

- (5) Send a summary of the answers as reported by the County Defense Boards to National Headquarters for further review along with appropriate evaluation. These summaries may be incorporated in or attached to the meeting minutes or the regular quarterly report.

Survival Questionnaire

The first readiness exercise under this policy is a survival questionnaire for solution by USDA County Defense Boards. It consists of:

- (1) Instructions to USDA State Defense Boards on the use of USDA County Defense Board Survival Questionnaire.
- (2) USDA County Defense Board Survival Questionnaire (extra copies of this are being transmitted for distribution of two to each County).
- (3) Solution to the USDA County Defense Board Survival Questionnaire (extra copies of this are being transmitted for distribution of one to each County after the State Defense Board has received the completed answer sheet).



Attachment - Survival Questionnaire

(2) Send a summary of the minutes as reported in the County
Board minutes to the National Board of Directors for review
and approval. The summary should be prepared in a format
approved by the National Board of Directors. The summary
should be prepared in a format approved by the National Board
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approved by the National Board of Directors.

Survival Questionnaire

The first questionnaire is a summary of the information
received by the National Board of Directors. It contains all
the information received by the National Board of Directors.

- (1) Instructions to the USA State Defense Board on the use
of the USA State Defense Board Survival Questionnaire.
- (2) USA State Defense Board Survival Questionnaire (extra
copies of this are being transmitted for distribution
of two to each County).
- (3) Relation to the USA State Defense Board Survival
Questionnaire (extra copies of this are being trans-
mitted for distribution of one to each County after
the State Defense Board has received the completed
questionnaire).

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INSTRUCTIONS TO USDA STATE DEFENSE BOARDS ON THE USE OF
USDA COUNTY DEFENSE BOARD SURVIVAL QUESTIONNAIRE

The accompanying "USDA County Defense Board Survival Questionnaire" was prepared to assist the USDA County Defense Boards in evaluating and improving ability to carry out assigned responsibilities during the early phase of a nuclear attack.

The USDA State Defense Board will receive under separate cover enough copies of the USDA County Defense Board Survival Questionnaire (with accompanying sheet on which answers can be recorded) so that two copies can be sent to each county. Each County Defense Board will be asked to answer the questionnaire in one or more board meetings and send a copy of the filled out answer sheet to its State Board by October 1, 1966. This time interval is established to prevent interference with other County Board activities.

It is not necessary to use the questionnaire if it substantially duplicates a project already underway or recently completed at the County level, but it may be used at the discretion of the Board. Any decision not to use the questionnaire will be reported to National Headquarters.

The State Defense Board will send to each County Defense Board a copy of the "Solution to the USDA County Defense Board Survival Questionnaire" as soon as (but not before) the completed answer sheet is received from the County Defense Board. An adequate supply of the solution will be provided under separate cover to permit distribution of one copy per county.

On receipt of the answer sheets from County Defense Boards, the State Defense Board Chairman will determine the number of correct and wrong answers as indicated by the "Solution" sheet. These answers will be summarized on a State-wide basis to show the total number right and the total number wrong for each question. This summary will be included in the Quarterly Report due October 10, 1966.

The State Defense Board will evaluate results of the county survival questionnaire including a review of the ground zero and fallout projection maps in a board meeting. Results of this evaluation will be transmitted to County Defense Boards and reported to USDA National Headquarters in the meeting minutes.

SURVIVAL QUESTIONNAIRE

INSTRUCTIONS TO UDA MEMBERS REGARDING THE USE OF
UDA COUNTY SURVIVAL QUESTIONNAIRE

The accompanying "UDA County Defense Board Survival Questionnaire" was prepared to assist the UDA County Defense Board in evaluating and improving ability to carry out assigned responsibilities during the early phase of a nuclear attack.

The UDA State Defense Board will receive under separate cover copies of the UDA County Defense Board Survival Questionnaire (with accompanying sheet on which answers can be recorded) so that the copies can be sent to each county. Each County Defense Board will be asked to answer the questionnaire in the same board meeting and send a copy of the filled out answer sheet to the State Board by October 1, 1965. This time interval is established to prevent interference with other County Board activities.

It is not necessary to use the questionnaire if it is substantially duplicated a project already underway or planned at the County level, but it may be used as the basis of the Board. Any deviation not to use the questionnaire will be reported to National Headquarters.

The State Defense Board will send each County Board a copy of the "Introduction to the UDA County Defense Board Survival Questionnaire" as soon as (but not later than) the introduction sheet is received from the County Defense Board. Attached the copy of the introduction will be provided under separate cover to provide distribution of one copy per county.

On receipt of the answer sheet from County Defense Boards, the State Defense Board Chairman will determine the number of correct and wrong answers as indicated by the "Introduction" sheet. These answers will be summarized on a State-wide basis to show the total number right and the total number wrong for each question. This summary will be included in the Quarterly Report due October 10, 1965.

The State Defense Board will evaluate results of the county survival questionnaire including a review of the ground zero and fallout protection maps in a board meeting. Results of this evaluation will be transmitted to County Defense Boards and reported to UDA National Headquarters in the meeting minutes.

USDA COUNTY DEFENSE BOARD SURVIVAL QUESTIONNAIRE

A. Procedure

The questions on the attached survival questionnaire are to be answered by the USDA County Defense Board in one or more meetings and recorded in the attached blank answer sheet. Some of these questions are designed to improve the personal knowledge of the Board members and radiological monitors on essential survival measures. Other questions are included to exercise agencies with assigned monitoring responsibilities at the county level. This will also be useful background for the Board.

Some of the questions are technical so it is important that each County Defense Board arrange for one or more trained radiological monitors from ARS, C&MS, FS, SCS or someone else who has received radiological monitoring training to be present when the questions are answered. If possible, all USDA monitors in the county and local civil defense RADEF staff should assist the Board in this assignment. Where USDA or other persons with monitoring training are not available, this fact will be reported on the attached answer sheet and the County Defense Board will answer only those questions for which they have the necessary background.

The County Defense Board will plot the strikes and project the fallout for the attack data shown under "Test Exercise" in Assumption 6 to provide a basis for answering the first three questions of the attached questionnaire. It is suggested that the Board use a good road map of the State and such adjacent States as may be necessary to accomplish this task. To reduce time needed for the Board to answer questions, arrangements will be made with the appropriate monitor or monitors to plot the strike and fallout data before the Board meeting is held. This map will be prepared in duplicate.

When the attached answer sheet has been filled out, fill out the duplicate copy and send one copy, together with a copy of the plotted map, to the State Defense Board by October 1, 1966. The meeting minutes submitted by the County Defense Board will indicate any special problems encountered in answering these questions.

After submitting the completed answer sheet, the County Board will receive a copy of the solution to the questionnaire and will evaluate its own answers in a subsequent Board meeting. Some comments may be received later from the State Board.

B. Assumptions

1. Remember that fallout patterns result only from surface bursts.
2. All wind directions and fallout patterns for the same sized weapons are uniform - therefore after one is plotted, others can be plotted using tracing or template.

INDIA COUNTY DEPARTMENT BOARD SURVIVAL QUESTIONNAIRE

A. Procedure

The questions on this attached survival questionnaire are to be answered by the INDIA County Defense Board in one or more meetings and recorded in the attached blank answer sheet. Some of these questions are designed to improve the personal knowledge of the Board members and individuals monitoring an essential survival movement. Other questions are designed to exercise agencies with assigned monitoring responsibilities at the county level. This will also be useful information for the Board.

Some of the questions are designed as it is important that each County Defense Board answer for one or more times. A written report must be submitted to the Board by the County Defense Board on or before the date indicated. If possible, all Board members in the county and local civil defense units should assist the Board in this assignment. Where UDA or other persons with monitoring training are not available, this fact will be reported on the attached answer sheet and the County Defense Board will answer only those questions for which they have the necessary background.

The County Defense Board will place the written and project the answers for the attached data sheet under "last exercise" in Appendix A to provide a basis for answering the first three questions of the attached questionnaire. It is suggested that the Board use a good road map in the State and such adjacent States as may be necessary to accomplish this task. To reduce time needed for the Board to answer questions, arrangements will be made with the appropriate monitor in advance to place the state and district data before the Board meeting in hand. This map will be prepared in duplicate.

When the attached answer sheet has been filled out, fill out the duplicate copy and send one copy, together with a copy of the attached map, to the State Defense Board by October 1, 1960. The meeting minutes submitted by the County Defense Board will indicate any special problems encountered in answering these questions.

After submitting the completed answer sheet, the County Board will receive a copy of the solution to the questionnaire and will evaluate its own answers in a subsequent Board meeting. Your comments may be received later from the State Board.

B. Assumptions

1. Remember that fallout patterns result only from surface bursts.
2. All wind directions and fallout patterns for the same sized weapons are uniform - therefore after one is plotted, others can be plotted using tracing or template.

3. Size of weapons for use in the exercise include:

Small - 5 megaton

Medium - 10 megaton

Large - 20 megaton

4. Radius (miles) of zone of destruction of dwellings and buildings of similar construction from center of impact.

<u>Weapon Size</u>	<u>Surface-Burst</u> (Radius-miles)	<u>Air-Burst</u> (Radius-miles)
Small	7.5	14
Medium	11	19
Large	14	24

5. Radius (miles) of zone of grass and woods fires initiated by thermal radiation under conditions assumed for this exercise.

<u>Weapon Size</u>	<u>Surface-Burst</u> (Radius-miles)	<u>Air-Burst</u> (Radius-miles)
Small	6	10
Medium	7.5	14
Large	12	19

3. Size of weapons for use in the exercise included:

Small - 5 weapons
Medium - 10 weapons
Large - 20 weapons

4. Rating (scale) of some of the results of the exercise and the results of the exercise from the point of view of the exercise.

Weapon Size	Exercise-Phase (Rating-Scale)	Exercise-Phase (Rating-Scale)
Small	7.5	10
Medium	11	12
Large	14	15

5. Rating (scale) of some of the results of the exercise and the results of the exercise from the point of view of the exercise.

Weapon Size	Exercise-Phase (Rating-Scale)	Exercise-Phase (Rating-Scale)
Small	6	10
Medium	7.5	12
Large	12	15

6. Test Exercise

<u>Number</u>	<u>Time</u>	<u>Bearing*</u>	<u>Distance</u>	<u>Size</u>	<u>Burst</u>
(1)	1400Z	270	100 miles	Small	Surface
(2)	1400Z	290	300 miles	Small	Air
(3)	1415Z	180	50 miles	Small	Air
(4)	1415Z	120	60 miles	Large	Surface
(5)	1430Z	045	120 miles	Small	Air
(6)	1445Z	350	20 miles	Small	Surface
(7)	1445Z	280	500 miles	Small	Surface
(8)	1500Z	285	375 miles	Small	Air
(9)	1500Z	200	40 miles	Medium	Air
(10)	1600Z	255	250 miles	Small	Surface

Upper air prediction (RAWIN) in your area 0

11409 60816

21209 80718

40912

* This is a line of sight bearing to be measured in degrees from the county seat to the strike zone. A North-South line should be drawn through the county seat parallel to the north line shown on the map, and the bearings taken in a clock wise direction (0 to 360 degrees). No attempt should be made to select any particular target. These locations from any county seat were selected merely to provide a good mix of size and type of weapons. An actual nuclear detonation (NUDET) report would contain the location of the strike in degrees and minutes of latitude and longitude.

Those counties on or near the west coast of the United States will find that the strike pattern is not suited ideally to their needs. Nevertheless, they should use the data, treating the ocean strikes as surface or air bursts. The hazard of a water surface burst is very much greater than a land surface burst for close-in fallout since it is in the form of a highly contaminated rainout.

C. References

The references listed below have been supplied to the County Defense Board, and they should be used in answering the attached questions to be completed by the County Defense Board. If these documents are not available for county emergency use, the missing references should be reported to your State Defense Board.

<u>Filing Code</u>	<u>References Placed at the County Level</u>
ASCS - 3	Vulnerability of the Food Industries to Chemical, Biological, and Radiological Warfare Agents
PP - 3	USDA County Defense Handbook (e.g., CDH 341A)
RM - 1	USDA Radiological Training Manual
RM - 1	Protection of Food and Agriculture Against Nuclear Attack, Agriculture Handbook No. 234
RM - 1	Defense Against Radioactive Fallout on the Farm - FB-2107 - Rev. 1965
RM - 2	USDA Monitoring Stations
RM - 5	USDA Radiological Monitoring Handbook, Agriculture Handbook No. 246
SS2 - 2	Federal Civil Defense Guide, Part E, Chapter 5, Appendices 5 and 6 (copies are currently being distributed)

D. Questions

Use the Answer Sheet attached as Item E to enter the answers to these questions.

1. At what time will fallout first arrive in the county seat?
 - (a) 1500Z
 - (b) 1530Z
 - (c) 1600Z
 - (d) 1630Z
2. How many weapons will contribute to the total fallout forecast for the county seat?
 - (a) 1
 - (b) 2
 - (c) 3
 - (d) 6
3. At what time can you expect overlap of fallout patterns to occur?
 - (a) 1645Z
 - (b) 1700Z
 - (c) 1800Z
 - (d) 2000Z
4. What is the standard decay curve for fallout?
 - (a) $R_o = R_1 \times T^{-1.2}$
 - (b) For each 7-fold increase in time, radiation decreases by a factor of 10
 - (c) Both a and b
 - (d) Neither a nor b
5. Although you are exposed to overlapping fallout from different weapons, the decay curve will still be standard.
 - (a) True
 - (b) False



6. The dose rate history curve plotted on log-log paper (attached) is the correct method for predicting future dose rates. The rise in dose rate occurring after H+20 as shown in this example may be caused by:
- (a) The arrival of fallout from another weapon
 - (b) Rain-out
 - (c) A shift of fallout deposition by surface winds (blow and effect)
 - (d) Any of these
7. The formula for predicting future dose rates is $R_0 = R_1 \times T^n$. The dose rate at H+1 (R_1 in the formula) was 1000r/hr. The dose rate history curve shows a non-standard decay exponent of -1.0 (the value of n in the formula). What will be the dose rate at H+10 (the value of T in the formula)?
- (a) 1
 - (b) 10
 - (c) 50
 - (d) 100
8. You are required to report a representative dose rate to the Chairman of the USDA State Defense Board at prescribed intervals. You have received dose rate reports taken at the same hour from five monitors in the county as follows: 72r/hr; 80r/hr; 31r/hr; 68r/hr; and 64r/hr. Your report to the State should be:
- (a) 68r/hr
 - (b) 71r/hr
 - (c) 63r/hr
 - (d) 80r/hr
9. The report intervals from the county to State for the first 72 hours are as follows: Each 3 hours for the first 24 hours; each 6 hours from the 25th to 48th hour; and daily at 0300Z after 48 hours for at least 6 days.
- (a) True
 - (b) False
10. The largest part of the energy from a nuclear weapon is in the form of:
- (a) Blast
 - (b) Thermal
 - (c) Initial radiation
 - (d) Residual Radiation

1. The first part of the report is a summary of the work done during the year.

2. The second part is a detailed account of the work done during the year.

3. The third part is a summary of the work done during the year.
(20-10-1911)

4. The fourth part is a summary of the work done during the year.
(20-10-1911)

5. The fifth part is a summary of the work done during the year.
(20-10-1911)

6. The sixth part is a summary of the work done during the year.
(20-10-1911)

7. The seventh part is a summary of the work done during the year.
(20-10-1911)

11. The weapon phenomenon from a surface burst that will affect the greatest land area is:
- (a) Blast
 - (b) Thermal
 - (c) Initial radiation
 - (d) Residual radiation
12. If you are not in the drop zone where everything is vaporized, you can avoid most of the blast by standing behind a massive structure.
- (a) True
 - (b) False
13. You are in an area where blast damage is not lethal to an unsheltered man. You can avoid thermal burns by getting behind a structure between you and the fireball so that a shadow will be cast over you.
- (a) True
 - (b) False
14. You have more time to avoid the thermal radiation from a small weapon than from a large weapon.
- (a) True
 - (b) False
15. If you are looking without special protective glasses at the explosion of a multimegaton air burst, you can suffer permanent eye damage at a maximum distance of:
- (a) 5 miles
 - (b) 10 miles
 - (c) 55 miles
 - (d) More than 55 miles
16. If the surface wind is blowing from the west and a nuclear surface burst is detonated more than 60 miles to the east, you cannot be exposed to fallout.
- (a) True
 - (b) False

CONFIDENTIAL - SECURITY INFORMATION

1. [illegible]
2. [illegible]

(S)
(S)

3. [illegible]
4. [illegible]
5. [illegible]
6. [illegible]

(S)
(S)

7. [illegible]
8. [illegible]
9. [illegible]

(S)
(S)

10. [illegible]
11. [illegible]
12. [illegible]

(S)
(S)
(S)
(S)

13. [illegible]
14. [illegible]
15. [illegible]

17. If fallout from a single weapon is first detected three hours after burst, its peak intensity will probably be reached in an additional:
- (a) Few minutes
 - (b) 30 minutes
 - (c) 2 hours
 - (d) 3 hours
18. The RAWIN report as received represents the arrival time for fallout from various altitudes for a period of:
- (a) 1 hour
 - (b) 3 hours
 - (c) 6 hours
 - (d) 12 hours
19. If it should rain over your area during fallout deposition, the effect will be:
- (a) To dilute the fallout and lower the intensity
 - (b) To wash out more fallout and raise the intensity
 - (c) It will have no effect

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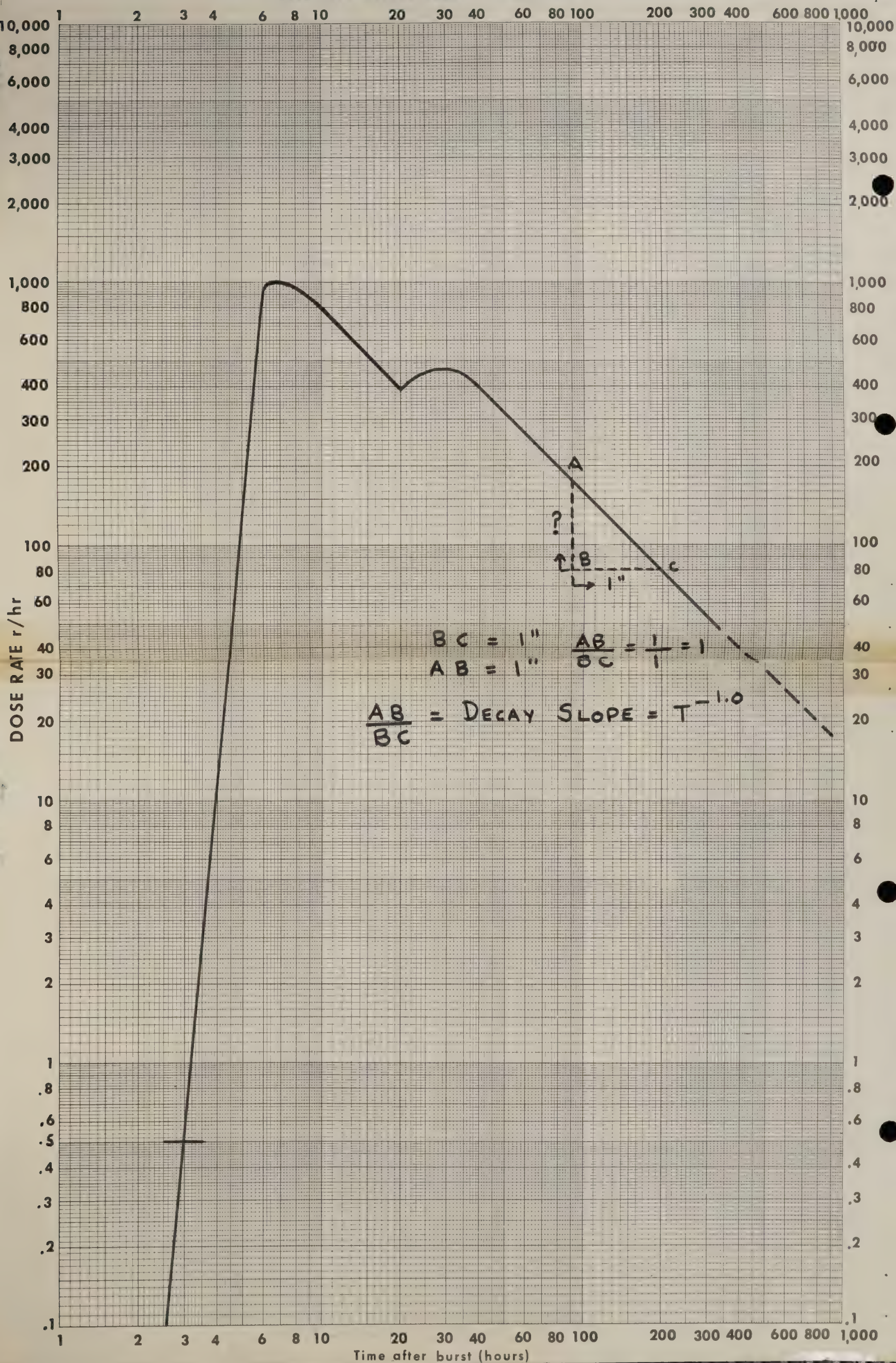
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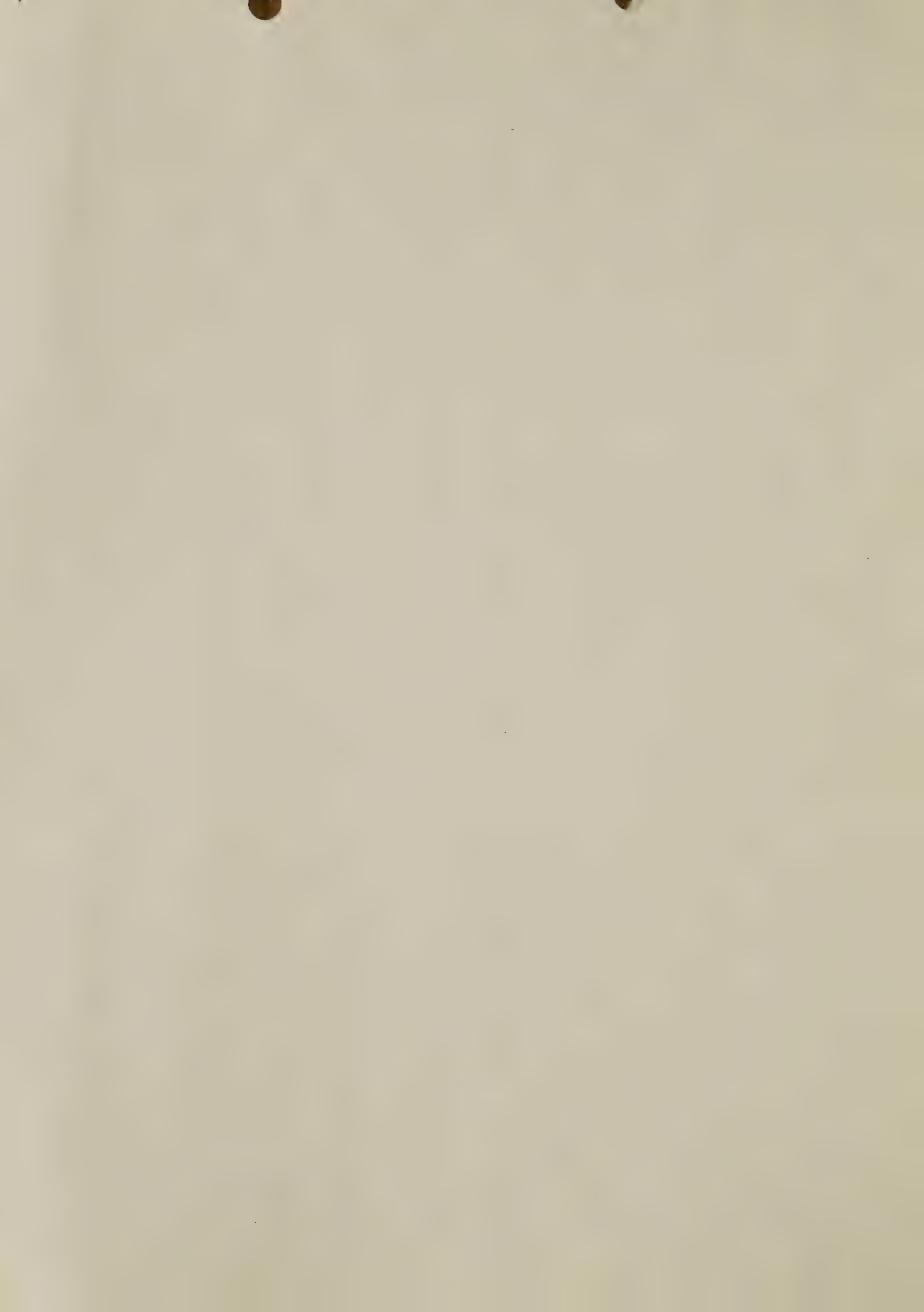
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DOSE RATE HISTORY CURVE (SEE QUESTION 6)





E. ANSWER SHEET FOR COUNTY DEFENSE BOARD SURVIVAL QUESTIONNAIRE

Date

County

State

Each county will receive two copies of the survival questionnaire with an answer sheet attached to each copy. Enter an "X" in the appropriate space provided below for both answer sheets to represent your answer to each question listed on the county survival questionnaire. Prepare duplicate copies of the map showing strikes and fallout spread. Send one copy of the completed answer sheet and the map to the State Defense Board by October 1, 1966, and retain the remaining material for reference in the county.

Question Number	Select Appropriate Answer				Question Number	Select Appropriate Answer			
	(a)	(b)	(c)	(d)		(a)	(b)	(c)	(d)
1					11				
2					12				
3					13				
4					14				
5					15				
6					16				
7					17				
8					18				
9					19				
10					How many monitors were present? _____				

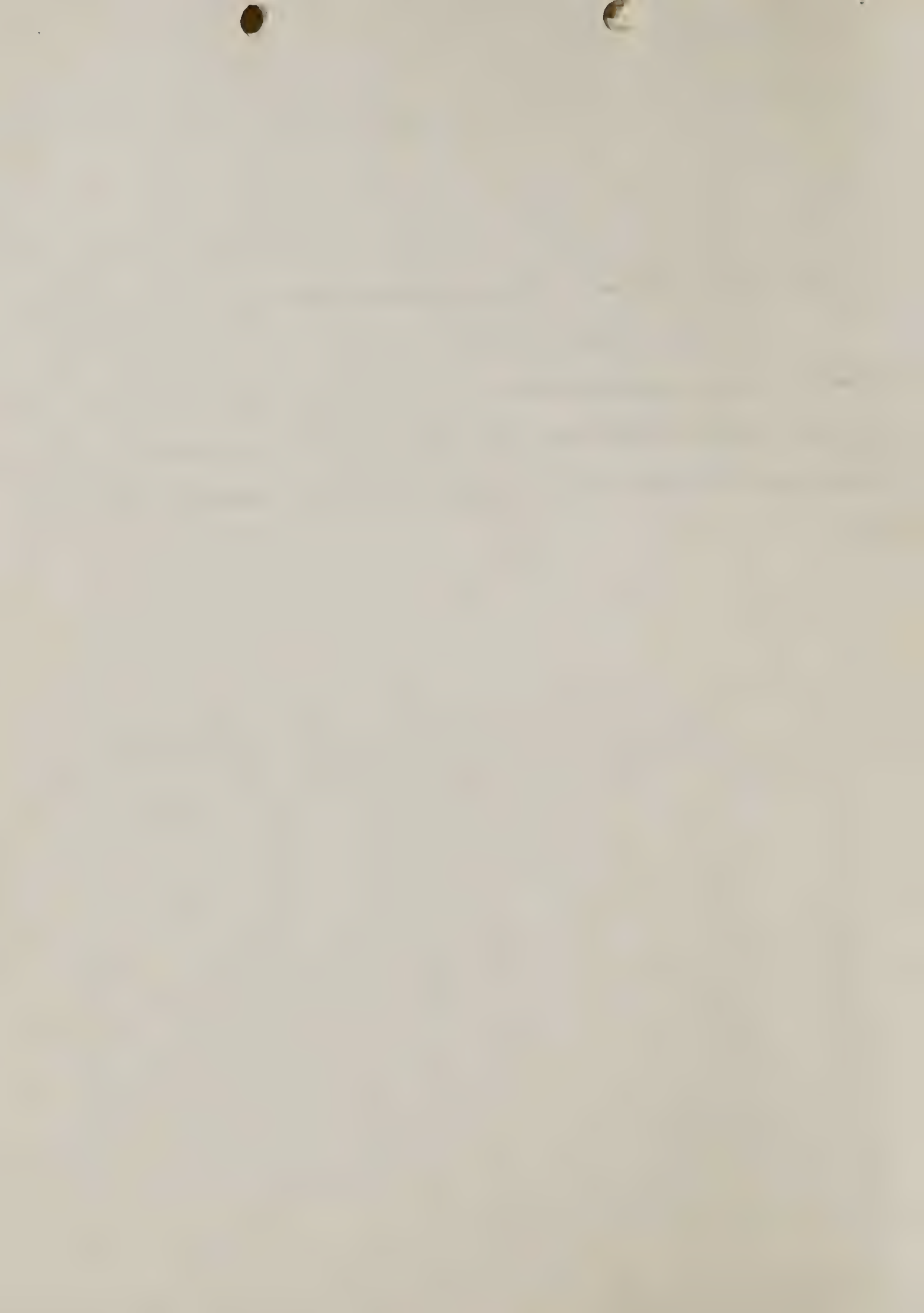
Signature of

Chairman, County Defense Board

Reduce

*to fit 8x11 1/2
& Room for Funching*

2x



SOLUTIONS TO USDA COUNTY DEFENSE BOARD
SURVIVAL QUESTIONNAIRE

(The USDA State Defense Board will forward one copy of these solutions and related discussion to each County Board after the completed answer sheet has been received from the County Board)

Note to USDA County Defense Board

The answer sheet for your county has been received by the State Defense Board. Listed below are the solutions to these questions and a discussion of each question is attached. Please compare these solutions with your answers. Results of this review should be discussed at the next county defense board meeting.

Question Number	Select Appropriate Answer				Question Number	Select Appropriate Answer			
	(a)	(b)	(c)	(d)		(a)	(b)	(c)	(d)
1			X		11				X
2		X			12		X		
3				X	13	X			
4			X		14		X		
5		X			15				X
6				X	16		X		
7				X	17				X
8		X			18		X		
9	X				19		X		
10	X								

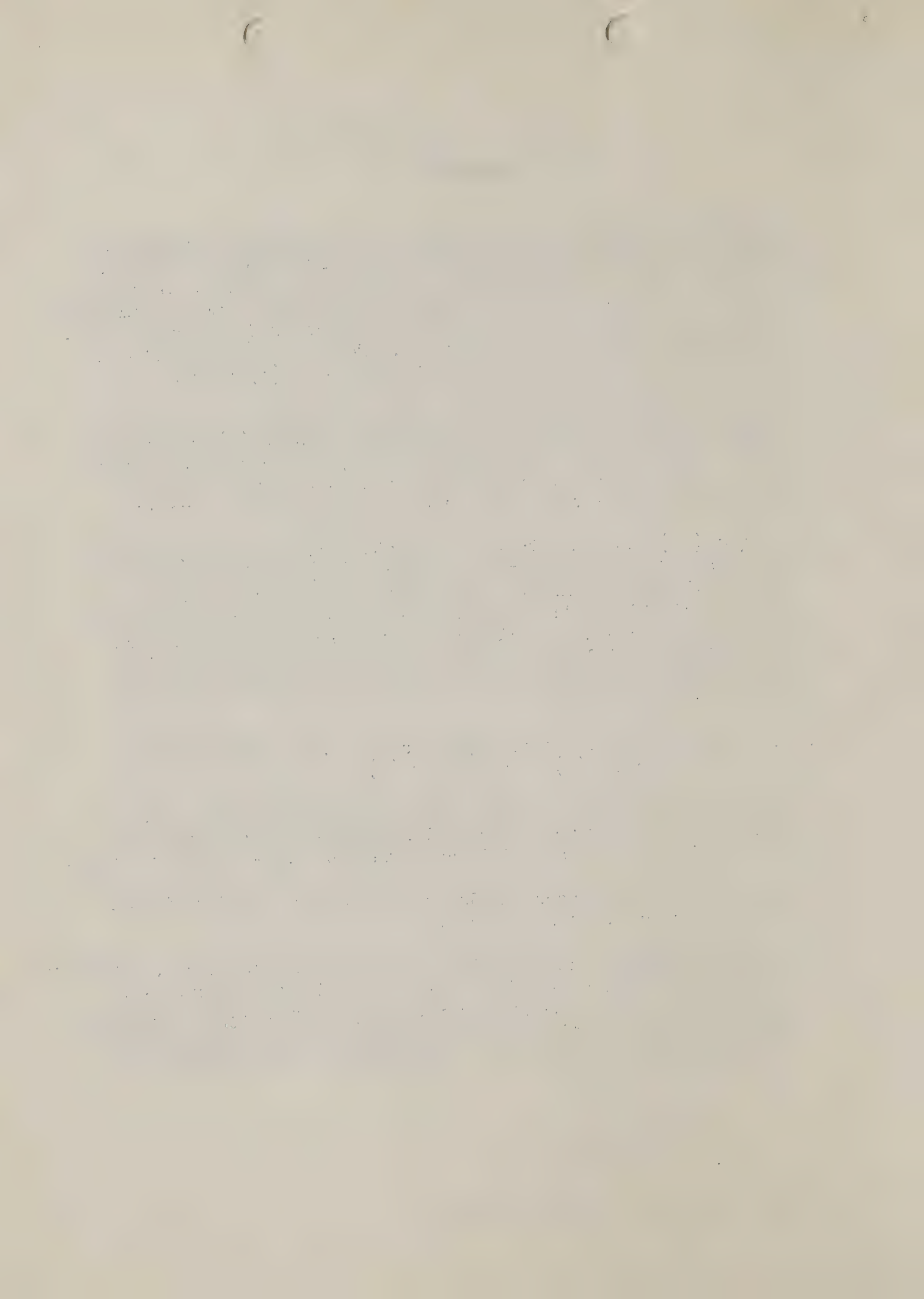
DISCUSSION

1. The fallout plot constructed from the attack data in assumption 6 should show that fallout will arrive in the county seat from both the 40,000 foot level and the 60,000 foot level. A careful study of the plot will show that on a mean path from the epicenter of the strike zone the wind speed approximates 50 miles per hour. The distance as shown is 100 miles. The time of the strike is 1400Z. The most correct answer therefore is (c) 1600Z.
2. Weapons number (1) and (10) are the only ones which will contribute to the fallout on the county seat. Weapon (7) may cause fallout in the county (in some counties), but not on the county seat. The 10,000 and 20,000 foot fallout will all be on the ground in 3 hours and these contours should not be extended.
3. Weapon (10) was detonated 2 hours later than weapon (1). The mean path from the epicenter of weapon (10) to the county seat follows generally the path of the fallout at the 80,000 foot level which will be downwind 180 miles in three hours, for an average speed of 60 miles per hour. Since the distance is 250 miles, it will take slightly more than 4 hours to arrive. Adding the 4 hours to the detonation time results in overlap occurring at (d) 2000Z.
4. The rule of thumb, answer (b), is a very close approximation of the formula in (a), thus answer (c) is correct.
5. Unless you have the extremely unlikely situation where overlap from two or more weapons occurred simultaneously and each of them followed the standard decay curve, the answer would be false.
6. Anything that increases the deposition rate or the distribution pattern can cause this to occur.
7. Formula $R_0 = R_1 \times T^n$. You are given R_1 , the dose rate at $H+1$, 1000r/hr; T , the time after burst, 10 hours; n , the decay exponent, -1.0, and you are asked to solve for R_0 , the dose rate at any future time. Any number raised to the -1.0 power is the same as writing the reciprocal of the number. For example, $2^{-1.0}$ is equal to $1/2$. Thus it follows:

$$R_0 = 1000 \times 10^{-1.0} \text{ or}$$

$$R_0 = 1000 \times 1/10 = 100.$$

Thus, the correct answer is (d).



8. Because a representative dose rate ignores dose rates which are not indicative of the average conditions in the county, the 31r/hr reading should be omitted and the other four dose rates averaged. Thus (b) 71r/hr is correct. If the 31r/hr had been included, the answer would have been (c) 63r/hr.
9. See page 32.1, USDA County Defense Operations Handbook.
10. The value of the various phenomena from the burst of a nuclear weapon is blast, 50 percent; thermal, 35 percent; initial radiation, 5 percent; and residual radiation, 10 percent. Thus (a) blast is correct.
11. It is estimated that in an attack on this country two percent of the land would be affected by blast and initial radiation, that under the right conditions 10 percent could be affected by thermal radiation, and that fallout or residual radiation could affect as high as 80 percent of the country. Thus (d) residual radiation is correct.
12. There are two kinds of blast effect - maximum overpressure and maximum dynamic pressure. The latter is the drag effect which is associated with a very high wind. The former is a phenomenon which completely envelopes a structure creating an implosion, thus there is no safe side of the building, and (b) false is correct.
13. The thermal burn phenomenon is exactly the same as the energy from sun, so a shadow cast over you will protect you from thermal burns. Thus (a) true is correct.
14. A 10 kiloton weapon releases 80 percent of its thermal energy in 0.82 seconds, whereas it takes 8.15 seconds for a one megaton weapon to release 80 percent of its energy. Thus (b) false is correct.
15. The threshold for damage to the retina is 1/10 calorie per centimeter square. This can occur if the flash lasts one microsecond. The flash of a multi-megaton air burst is so intense that the distances involved can be very great. Fortunately, precautions have been taken in all the tests to date, but it is estimated that this phenomenon is possible for distances in excess of 55 miles, particularly at night when the pupil is wide open. Thus (d) more than 55 miles is correct.



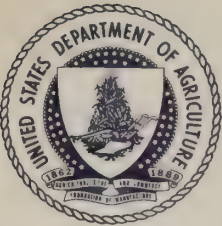
16. It is entirely possible for the winds aloft to be blowing on a heading which is reciprocal of the surface wind direction. Thus in the question if the wind is blowing from 270 degrees on the surface, it is possible for the winds aloft to be blowing from 90 degrees and (b) false is correct.
17. This is a rule of thumb which states that if fallout from a single weapon is first detected X hours after burst, its peak intensity will probably be reached in an additional X number of hours. Thus (d) 3 hours is correct.
18. The RAWIN report as received represents a 3 hour fallout plot. Thus (b) 3 hours is correct. The data from the 40, 60, and 80 thousand foot wind vectors can be extended for six hours and in an emergency for 12 hours, but the fallout from 10 and 20 thousand feet will all be down in three hours and therefore should not be extended.
19. Rain will wash out fallout and raise the intensity in the form of rain-out, thus (b) is correct for your area. However, those areas downwind from you will receive less fallout than they would have if it had not rained.

1. The first part of the paper discusses the importance of maintaining accurate records of all transactions.

2. The second part of the paper discusses the importance of maintaining accurate records of all transactions.

3. The third part of the paper discusses the importance of maintaining accurate records of all transactions.

4. The fourth part of the paper discusses the importance of maintaining accurate records of all transactions.



DEPARTMENT OF AGRICULTURE

WASHINGTON, D.C. 20250

October 26 1966

USDA STATE DEFENSE POLICY MEMORANDUM NO. 49, SUPPLEMENT 1

Assistance for USDA County Defense Boards

PURPOSE

To send the attached readiness exercise No. 2, to aid you in training USDA County Defense Boards. It deals with priority use of scarce gasoline and diesel fuel in agricultural production operations, and with conservation measures to reduce fuel consumption in a defense emergency.

BACKGROUND

Contained in USDA State Defense Policy Memorandum No. 49, which should be reviewed in connection with this supplement.

ACTION

1. Adapt columns 1, 2, and 5 to your State as follows (entries made by the Washington office are illustrative only):

- | | |
|----------------|--|
| <u>Col. 1.</u> | Select and enter the three months that best represent the busiest spring month, the busiest summer month, and the busiest fall month in your State. The same three months should be used for all counties in the State, unless this is impracticable. |
| <u>Col. 2.</u> | Determine and enter the principal farming operations in the State for each month shown in Column 1. Be specific, such as "preparing land for corn," "planting small grain," and "harvesting wheat." (This will help to hasten State review of problem solutions received from counties.) Leave one or two lines blank for each month, so that county boards may enter additional operations important in their county (such as planting or harvesting vegetables or sugarbeets in a few counties.) |
| <u>Col. 5.</u> | Determine and enter the principal farming operations in the State. Consider not only the operations listed in Column 2, but those for all months of the year. |

NATIONAL DEFENSE

1. The first part of the paper is devoted to a discussion of the general principles of the theory of the structure of the atom.

2. In the second part, we shall consider the question of the structure of the atom in more detail, and shall attempt to give a more complete picture of the structure of the atom.

3. In the third part, we shall consider the question of the structure of the atom in more detail, and shall attempt to give a more complete picture of the structure of the atom.

4. In the fourth part, we shall consider the question of the structure of the atom in more detail, and shall attempt to give a more complete picture of the structure of the atom.

5. In the fifth part, we shall consider the question of the structure of the atom in more detail, and shall attempt to give a more complete picture of the structure of the atom.

6. In the sixth part, we shall consider the question of the structure of the atom in more detail, and shall attempt to give a more complete picture of the structure of the atom.

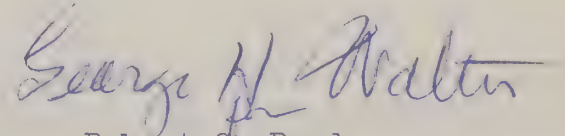
7. In the seventh part, we shall consider the question of the structure of the atom in more detail, and shall attempt to give a more complete picture of the structure of the atom.

8. In the eighth part, we shall consider the question of the structure of the atom in more detail, and shall attempt to give a more complete picture of the structure of the atom.

9. In the ninth part, we shall consider the question of the structure of the atom in more detail, and shall attempt to give a more complete picture of the structure of the atom.

10. In the tenth part, we shall consider the question of the structure of the atom in more detail, and shall attempt to give a more complete picture of the structure of the atom.

2. Duplicate sufficient copies of your adapted form and the instructions on the back of it for use of County Boards and distribute them (at least three per county) in accordance with Policy Memorandum No. 49. Point out that this readiness exercise should be carried out by the entire USDA County Defense Board at one or more regular meetings. Instruct County Boards to invite the local Civil Defense or the local government official who would be responsible for rationing fuels in an emergency to attend the board meeting and participate in this exercise. Give the County Boards a realistic deadline to return two completed copies of the form to the USDA State Defense Board.
3. Upon receiving exercise solution from county boards.
 - A. Review for conformance with policy guidelines on agricultural production in CDH, Chapter 4, Section 4.
 - B. Call appropriate county boards' attention to any major inconsistencies with guidelines.
 - C. Report results to National headquarters in the Quarterly Report due January 10, 1967, as required by Policy Memorandum No. 49.



Robert S. Reed
Assistant to the Secretary

Attachment - Readiness Exercise No. 2 on Fuels

1. The first part of the document is a list of names and addresses of the members of the committee.

2. The second part of the document is a list of names and addresses of the members of the committee.

3. The third part of the document is a list of names and addresses of the members of the committee.

MEMBERS OF THE COMMITTEE

4. The fourth part of the document is a list of names and addresses of the members of the committee.

5. The fifth part of the document is a list of names and addresses of the members of the committee.

6. The sixth part of the document is a list of names and addresses of the members of the committee.

7. The seventh part of the document is a list of names and addresses of the members of the committee.

UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF THE SECRETARY
WASHINGTON, D. C. 20250

February 28, 1967

USDA STATE DEFENSE POLICY MEMORANDUM NO. 49, SUPPLEMENT 2

Assistance for USDA County Defense Boards

PURPOSE

The attached readiness exercise is the third of the exercises announced in USDA State Defense Policy Memorandum No. 49. This Food Management Exercise is intended to again demonstrate to County Defense Boards that their first responsibility in preparing themselves for any emergency is to be well informed about the needs of their community.

As noted in the accompanying instructions to the County Defense Boards, the information developed by this exercise is vital if the County Defense Boards are to accomplish several initial responsibilities set out in their Defense Operations Handbook.

State Defense Boards should use this opportunity to again ask the County Defense Boards to review their responsibilities for food management in case of emergency. Very simply, the USDA responsibility is to direct and assure adequate resupply of food in an emergency.

Since emergency control over retail food distribution at the local level is a local government responsibility, County Defense Boards should be instructed to invite the local official in charge of civil defense to participate in this exercise. This exercise can then further the development of mutual understanding of the kinds of local food problems that could occur in an emergency.

BACKGROUND

Distribution of this "Food Management" exercise should follow the procedure outlined in USDA State Defense Policy Memorandum No. 49.

ACTION

The State Defense Board will receive separately, enough copies of Readiness Exercise on Emergency Food Management so that two can be sent to each USDA County Defense Board. Parts A and B of the

readiness exercise should be completed by each County Defense Board by June 30, 1967. County Defense Boards should answer the questions on the basis of their personal knowledge and the records currently in their possession. They are not to undertake surveys and they are not required to make a special effort to obtain the information prior to completion of the exercise. However, County Boards may seek the missing information after completing the exercise to the extent they can do so without undertaking an industry survey. No request for information should be made to any segment of the local food industry.

One copy of the completed exercise will be retained by the County Defense Board, and one will be returned to the State Defense Board. County Defense Boards should be instructed to indicate in their Defense Board meeting minutes any special problems encountered.

The State Defense Board will evaluate the completed readiness exercise from each county in relation to the Board's knowledge of each county's food situation. The Board is requested to indicate in the quarterly report for the April - June period: (a) the number of counties which have completed both parts of the readiness exercise; (b) the nature and extent of any follow-up action planned; and (c) the nature and scope of assistance needed by the counties, especially that which the State Board is unable to furnish or obtain. Note particularly that no basis exists for scoring the exercise.

Attachments include:

1. Instructions to County Defense Board on Readiness Exercise;
2. Part A of the Readiness Exercise - Normal County Food Requirements;
3. Part B of the Readiness Exercise - Emergency Food Management Questions.



Alec G. Olson
Assistant to the Secretary

Attachments

COUNTY READINESS EXERCISE - FOOD MANAGEMENT

Instructions to County Defense Board

BACKGROUND

Effective management of food under emergency conditions will require very substantial knowledge about food and the local food industry. The same knowledge is necessary now for pre-emergency evaluation of the potential effects of nuclear attack. For a USDA County Defense Board, this need cannot be satisfied by broad generalizations. Rather, the need is for specifics which best can be described in the form of such questions as:

What foods are produced in my county? Where, when and by whom are they processed and stored? Besides all or part of our own county population, who else depends on us for what kinds of food, where are they, and through what channels does the food move?

What are the sources of the food consumed in my county? By food groups (see Part A), to what extent are we self-sufficient? When, where and from whom do we get the rest of what we need? For distant shipments, what are the likely stoppages, and what secondary sources might be accessible?

The attached readiness exercise is by no means exhaustive. It covers only some of the more important aspects of any county's food supply. Whether surplus or deficit with respect to any food group, solid knowledge of the status and functioning of the food industry is vital if the County Defense Board is to:

- (a) accomplish the initial situation analysis (Pars. 326-331 CDH);
- (b) develop the first Food Situation Report (Par. 343 CDH);
- (c) issue and administer Defense Food Order No. 2 at county level in a cut-off situation (Par. 416 CDH).

In preparation for completion of this Food Management Readiness Exercise, each County Defense Board should review the Emergency Food Program material in its emergency records. (For food facility listings, see emergency records under filing code SS 2-4.) The Board will attempt to answer exercise questions from its collective personal knowledge and the records currently in its possession. If information is lacking, it is permissible to answer "don't know." A special effort to obtain data for completion of the exercise is not required.

However, any County Board may seek needed information after completing the exercise so long as no unauthorized industry surveys are undertaken. No request for information should be made to any segment of the food industry. The best quickly available sources are the County ASC committee and other Federal State and local government officials in position to know the nature and extent of food industry operations in the county.

PROBLEM

Part A of the Readiness Exercise provides a means of developing estimated county food requirements under emergency conditions, based on (a) United States average per capita consumption figures for 1967 (see column 1) and (b) the 1960 Census of Population for the county (see column 2). Valuable information on the probable size and scope of the resupply problem which the County Defense Board may have to cope with in the event of a national emergency is provided by column 4 thru 6.

Part B of the Readiness Exercise provides a means of developing some basic information on the size and scope of the food industry in the county, and some evaluation of the county's relative position with respect to having a deficit or surplus supply of ready-to-use food stocks. To repeat, these questions are highly selective and by no means exhaustive.

ACTION

The Readiness Exercise will be completed by the County Defense Board during one or more Board meetings before the end of June 1967.

One copy of the Readiness Exercise will be retained in the County Defense Board files and the other returned to the State Defense Board. Any special problems encountered in the completion of the Readiness Exercise should be described fully in the Defense Board meeting minutes which should accompany the completed exercise.

COUNTY READINESS EXERCISE - FOOD MANAGEMENT

FOOD GROUPS 1/	1967 Annual Per Capita Consumption in Pounds 2/	1967 County Population 3/	NORMAL COUNTY FOOD REQUIREMENTS			
			Annual Requirements (Col. 1 x Col. 2)	30-Day Requirement (1/12 of Col. 3)	60-Day Requirement (1/6 of Col. 3)	90-Day Requirement (1/4 of Col. 3)
	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6
<u>GROUP I - Meat & Meat Alternates</u> Beef 96.9 Veal 4.1 Lamb and mutton 4.1 Pork (excluding lard) 59.3 Chicken 37.4 Turkey 8.3 Fish (Fresh and frozen canned and cured) including game fish . . . 13.9 Peanuts and dry peas and beans 13.9	237.9					
<u>GROUP II - Eggs</u> Eggs (Approximately 305 shell eggs)	40.0					
<u>GROUP III - Milk</u> All dairy products (excluding butter) calculated on product weight basis.	377.8					
<u>GROUP IV - Cereals & Cereal Products</u> Wheat 117.0 Rye 1.2 Rice 4.6 Corn 32.0 Oats 4.5 Barley8	160.1					
<u>GROUP V - Fruits & Vegetables</u> Fresh fruits 90.2 Processed fruits 52.0 Melons 22.8 Fresh vegetables 98.7 Processed vegetables 55.8	319.5					

File 15%

FOOD GROUPS 1/	1967 Annual Per Capita Consumption in Pounds 2/	1967 County Population 3/	NORMAL COUNTY FOOD REQUIREMENTS			
			Annual Requirements (Col. 1 x Col. 2)	30-Day Requirement (1/12 of Col. 3)	60-Day Requirement (1/6 of Col. 3)	90-Day Requirement (1/4 of Col. 3)
	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6
<u>GROUP VI - Food fats & Oils</u>						
Butter	4.6					
Margarine	9.0					
Lard and rendered pork fat	5.6					
Shortening	15.2					
Other edible fats and oils	14.5					
<u>GROUP VII - Potatoes</u>						
Frozen potato products	6.9					
Potatoes	100.3					
Sweet potatoes	5.7					
<u>GROUP VIII - Sugars & other Sweeteners</u>						
Sugar (cane and beet)	97.3					
<u>MISCELLANEOUS FOOD ITEMS</u>						
Coffee, tea, cocoa	19.6					
TOTAL	1,414.0					

1/ Ready-to-use foods only. The National Emergency Food Consumption Standard (exhibit 6, page 73, CDH) is the source for the Food Group headings provided above.

2/ The amounts shown are based on preliminary 1967 per capita consumption figures developed by ERS-USDA in November 1966.

3/ The population figure should be based on 1960 census figures modified as appropriate to bring the figure up-to-date according to reliable local sources.

COUNTY READINESS EXERCISE - FOOD MANAGEMENT

Note: Please use a separate continuation sheet for each question which cannot be answered in the space provided.

1. Based on the annual requirements figures in Column 3 of Part A, indicate below, with one check mark per food group, whether the county's own farm production and food processing output normally provides supplies of ready-to-use foods which are:
- about equal to the county's normal food requirements;
 - more than the county's normal food requirements;
 - less than the county's normal food requirements thereby indicating that the county is dependent upon other counties or States for supplies of these ready-to-use foods.

Food Groups <u>1/</u>	Normal Annual Food Requirements (Col.3 Part A)	Normal Supply of Ready-to-use foods Which Originate within the County		
		About Equal Amounts in Column B	More than Amounts in Column B	Less than Amounts in Column B
(A)	(B)	(C)	(D)	(E)
I Meat and meat alternates				
II Eggs				
III Milk				
IV Cereals and cereal products				
V Fruits and vegetables				
VI Food fats and oil				
VII Potatoes				
VIII Sugars and other sweeteners				
Miscellaneous food items				

1/ The National Emergency Food Consumption Standard (exhibit 6, page 73, CDH) is the source for the food group headings used herein.

1. The first part of the paper discusses the importance of the study.

2. The second part of the paper discusses the methodology used in the study.

3. The third part of the paper discusses the results of the study.

4. The fourth part of the paper discusses the conclusions of the study.

5. The fifth part of the paper discusses the implications of the study.

2. For food groups of which supplies are in excess of normal requirements (column D of question 1, Part B), name the principal city (and State) identifying the general area to which county's more-than-required supplies of ready-to-use foods are sent initially for eventual distribution through the Nation's food pipeline. We hope that this question will assist each county in developing a rough picture of the food distribution system currently used by the food industry to get the ready-to-eat food from the processor to the wholesaler in a general area similar to the Standard Metropolitan Statistical Areas as established by the Bureau of the Budget and used by a number of Federal Government agencies, or to the Basic Trading Areas as established by the Rand McNally and Company and used by many companies in their sales planning.

Food Groups <u>2/</u>	Name of City (and State) Identifying General Area of Initial Distribution
(A)	(B)
I Meat and meat alternates	
II Eggs	
III Milk	
IV Cereals and cereal products	
V Fruits and vegetables	
VI Food fats and oil	
VII Potatoes	
VIII Sugars and other sweeteners	
Miscellaneous food items	

2/ The National Emergency Food Consumption Standard (exhibit 6, page 73, CDH) is the source for the food group headings used herein.

1. The first part of the paper is devoted to a general discussion of the problem.

2. The second part is devoted to a detailed analysis of the case of a single particle.

3. The third part is devoted to a detailed analysis of the case of a system of particles.

4. The fourth part is devoted to a detailed analysis of the case of a system of particles.

5. The fifth part is devoted to a detailed analysis of the case of a system of particles.

6. The sixth part is devoted to a detailed analysis of the case of a system of particles.

7. The seventh part is devoted to a detailed analysis of the case of a system of particles.

8. The eighth part is devoted to a detailed analysis of the case of a system of particles.

3. For food groups of which supplies are less than normal requirements (column E of question 1, Part B), name the city (and State) identifying the general area from which the majority of the ready-to-use food supplies are obtained to supplement that which may be available from within the County.

Food Groups <u>3/</u>	Name of City (and State) Identifying General Source of Majority of In-shipments
(A)	(B)
I Meat and meat alternates	
II Eggs	
III Milk	
IV Cereals and cereal products	
V Fruits and vegetables	
VI Food fats and oil	
VII Potatoes	
VIII Sugars and other sweeteners	
Miscellaneous food items	

3/ The National Emergency Food Consumption Standard (exhibit 6, page 73, CDH) is the source for the food group headings used herein.

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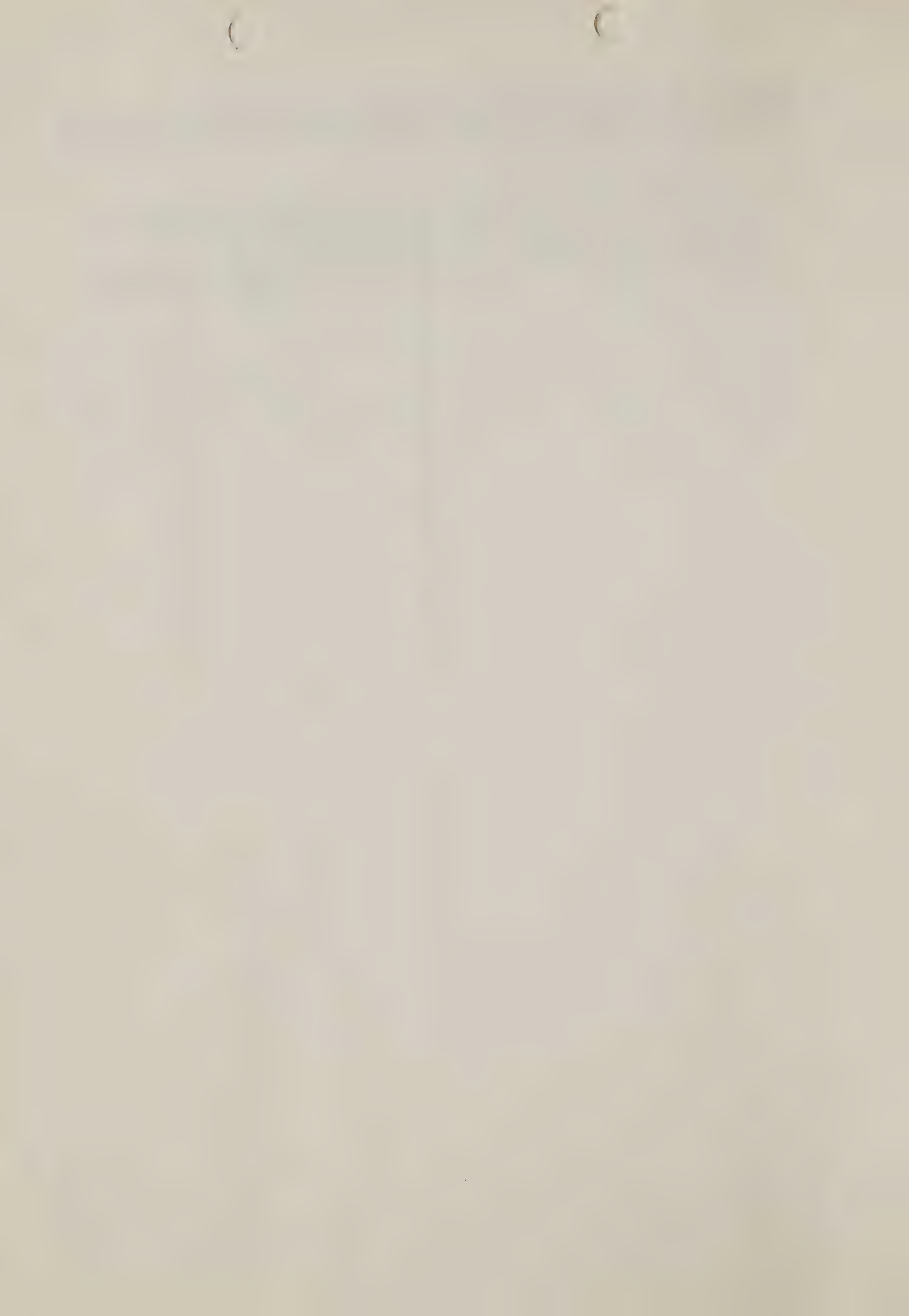
4. Indicate the approximate number of meat-animals of all ages on hand in the county during an average month.

Type of Meat-Animals	Approximate Number
(A)	(B)
1. Beef cattle	
2. Calves for veal	
3. Hogs	
4. Sheep and lamb	
5. Dairy cattle <u>4/</u>	

4/ Only the culls from dairy herds that are going to slaughter

5. Indicate the approximate number of birds normally raised commercially in the county during an average month.

Type of Poultry	Approximate Number
(A)	(B)
1. Chickens	
a. Broilers/Fryers	
b. Fowl, both light and heavy	
2. Turkeys	
3. Other (Ducks, geese, guineas, capons, etc. specify)	



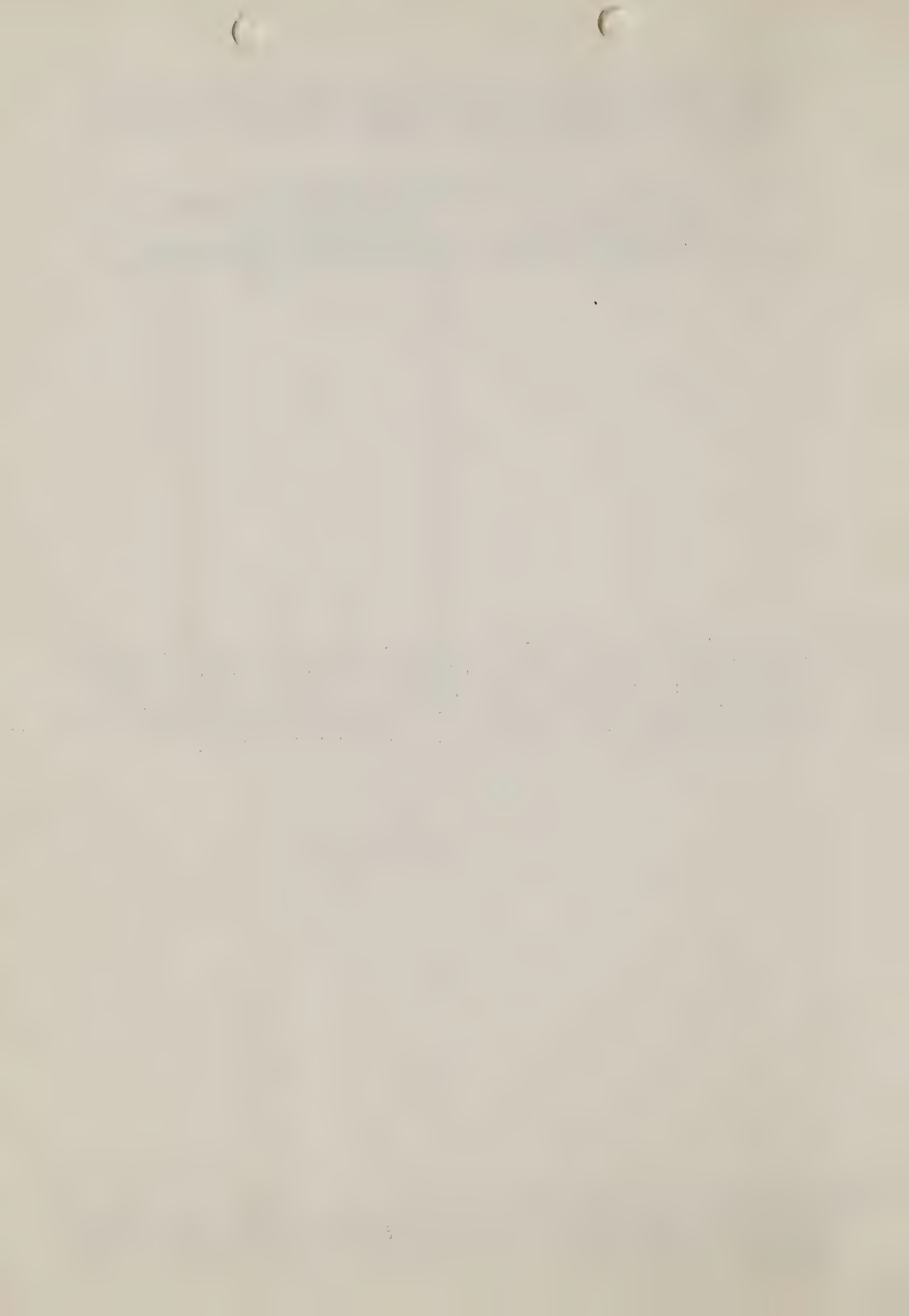
8. Indicate the major types of non-food requisites which the food resources facilities in your county obtain from sources outside of the county and identify those sources.

Major Types of Non-Food Requisites	Sources Outside County (City and State Identifying General Area)
(A)	(B)

9. Based on the latest food facility listing for the county, indicate for each SIC code covered the number of facilities which normally supply food to the Armed Forces under a contract arrangement. (Note: See section 7-e, page 8 of the Defense Food Order on Food Management, file code ASCS 6, for additional background information.)

SIC Code <u>6/</u>	Number of Facilities
(A)	(B)

6/ The SIC code is explained in detail on the page entitled "Identification of Codes on Defense Resource Listings" (food facility listings) which has been provided each county for insertion at the beginning of each county set of listings.



11. Indicate the number of "other than major chain" retail food stores operating in County, their association with voluntary chain or cooperative wholesalers, if any, and the location of the major warehouses, including independent wholesalers, which supply such retail stores.

Number of "Other than Major Chain" Retail Food Stores	Name of Voluntary Chain or Coop. Association Wholesalers	Location of Major Warehouse
(A)	(B)	(C)

Assistance for USDA County Defense Boards

PURPOSE

The questionnaire attached is the fourth of the series announced in USDA State Defense Policy Memorandum No. 49.

This Rural Fire Defense exercise is intended as a self-help inquiry for USDA County Defense Boards to inventory their collective knowledge of available local, rural community, and county capability for combating fires in case of an emergency. The goal is to prevent and limit the impact of peacetime, natural disaster, or national emergency fires throughout rural America.

BACKGROUND

Fire suppression is essentially an operation responsibility of the local and State governments supplemented by Federal fire services where available. In a national emergency, initial prevention and suppression tasks would entail the efforts of the local fire organizations supplemented by help from farmers, ranchers, and their neighbors. Subsequently, organized and experienced local volunteer, community, State, and/or Federal units from other areas would be available to assist, depending on status of preemergency organized protection. The fire suppression activities of all could be limited by safety to firefighters from radiological effects.

The role of the County Defense Board in a postattack situation would be one of support and assistance to public fire services--in addition to reporting fire occurrence and damages.

The attached exercise should serve to acquaint Defense Board members with their respective county's fire prevention and suppression situation

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and the potential for enhancement at the local and county levels--pending amended legislation and expanded rural fire defense nationwide, which is now under consideration.

ACTION

1. From the supply of the Rural Fire Defense Questionnaire being furnished to the State Defense Board, send three (3) copies to each USDA County Defense Board.
2. Request County Defense Boards to:
 - (a) Complete the questionnaire in one or more meetings during the quarter ending September 30. (If more time is needed, States may request an additional 30 days.)
 - (b) Answer the questions on the basis of available knowledge. Use such assistance as may be obtained from rural fire services personnel in the county or district in which the county may be located. (In some cases, neither may be available; hence, the county agent or other agency personnel may be the only information source available.)
 - (c) Send one completed copy of the exercise questionnaire to the State Defense Board Chairman and retain one completed copy for the County Defense Board's files. (The third copy may be retained or discarded according to the wishes of the board.)
3. The State Defense Board will:
 - (a) Summarize results of the completed questionnaires received from counties--perhaps on a task-force basis under the leadership of the Forest Service Representative on the board.
 - (b) Discuss the exercise results at the next regular meeting of the board. (Please note there is no basis for scoring this exercise.)

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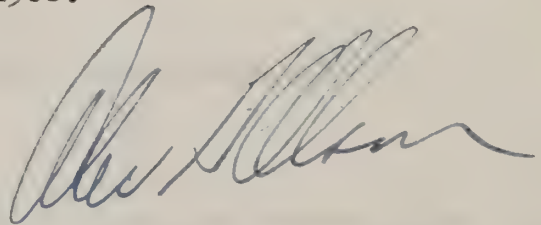
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(c) Indicate in the regular Quarterly Report:

- (1) A highlight summary of ^{county} fire readiness capability and needs.
- (2) The nature and scope of assistance needed by counties, and
- (3) What steps may be taken by rural families ^{and} at the local, county, State and national levels ^{of government} to strengthen rural fire readiness.

(d) If the exercise is completed by September 30, the State Defense Board should submit the summary and conclusions in the regular Quarterly Report for October 10, 1967; however, if a 30 day extension is granted, the board will incorporate this material in the next Quarterly Report due January 10, 1968.

A handwritten signature in blue ink, appearing to be "R. M. [unclear]", is written over the bottom right portion of the typed text.



USDA COUNTY DEFENSE BOARD QUESTIONNAIRE
RURAL FIRE DEFENSE

PURPOSE

The attached questionnaire is designed to enable each County Defense Board (as a unit) to:

- (a) Examine and update its knowledge of existing rural and community fire suppression units;
- (b) Determine the extent of rural fire protection coverage and county areas lacking a system of protection;
- (c) Identify and examine unfilled rural protection needs and unresolved fire defense readiness problems;
- (d) Clarify in terms of specifics the means and measures which the Board (in cooperation with other interests) may undertake to:
 - (1) Assist toward achieving a higher degree of preemergency fire defense readiness and
 - (2) Support fire suppression forces in an emergency.

BACKGROUND

Throughout the Nation, planned, organized, trained and tested rural fire suppression forces are essential at the local community and county levels to reduce damages to rural people and resources. This applies not only during normal times, but is especially an urgent need in a national emergency which involves nuclear weapons since thermal effects are unavoidable and of major importance.

Capability to prevent and suppress fires is the safety base for holding losses as low as practical. In this regard, it is on a par with radiological monitoring and fallout protection. Protection of rural people, the farms and ranches, livestock, stored and field crops, grasslands, woods and other values should be the goal -- because these comprise the total resource strength of rural America. All would be important in varying degrees to national survival and recovery.

Each County Defense Board should have knowledge of the existing organized rural fire suppression units within their respective county or the forces available to them from adjacent counties. This insight to currently established capability should include emergency fire plans and operating procedures.



ACTION

1. Complete the questionnaire in one or more meetings of the County Defense Board before September 30, if possible. If more time is required, an additional 30 days may be requested from the State Defense Board.
2. Send one completed copy to the State Defense Board.
3. Retain one completed copy in the board files for reference.
4. Describe in meeting minutes any special problems noted.

Attachment

1. The first part of the paper is devoted to a discussion of the general principles of the theory of the structure of the atom.

2. The second part of the paper is devoted to a discussion of the general principles of the theory of the structure of the atom.

3. The third part of the paper is devoted to a discussion of the general principles of the theory of the structure of the atom.

USDA COUNTY DEFENSE BOARD
RURAL FIRE DEFENSE

County of _____

State of _____

Is there a _____ on _____

1. ~~Does the Board have a~~ Forest Service Representative ~~as a member of~~
the Board? yes ☐ no ☐

2. If the Board's answer to (1) is "no", does the Board have other
access or means to obtain information and guidance regarding rural
fire defense? yes ☐ - Specify source

no ☐

3. How well informed is the Board regarding rural fire defense (organ-
ized units or forces, plans, operations, etc.)?

Well informed ☐ Poorly informed ☐ Don't know ☐

4. Which agencies are responsible for rural fire defense? (Identify
areas on a county map.)

Federal ☐ - Specify agency _____

State ☐ - Specify agency _____

Protection Association ☐ - ~~Specify~~ Give name _____

Community - Rural ☐ - ~~Specify~~ Give name _____

Volunteer Units ☐ - Number _____

Other ☐ - (Specify) _____

5. How much of the County's rural area has fire protection?

100% ☐

50 - 99% ☐

25 - 49% ☐

1 - 24% ☐

0% ☐

Communities only ☐

6. Have thermal effects of nuclear weapons been thoroughly discussed
by the Board during the past 2 years? yes ☐ no ☐

If "no", is consideration of this subject needed? yes ☐ no ☐

7. Does the Board understand the responsibilities, plans and operations
(in an emergency) of the State Rural Fire Defense Committee?

yes ☐ no ☐ Have no knowledge of the Committee ☐



8. What are the three highest priority needs in the county to provide a good degree of ^{rural} ~~emergency~~ fire defense?

1.

2.

3.

9. How might the Board assist in accomplishing the ^{needs} ~~items~~ stated under (8)?

10. Does the Board clearly understand its responsibilities in supporting rural fire suppression in an emergency? yes ☐ no ☐ Vaguely ☐

11. What steps has the local civil defense organization taken to prepare for fires which might result from nuclear attack?

12. Are specific fire prevention and fire suppression measures, applicable to residences, farm buildings, crops, grass and woodlands adequately emphasized in rural information programs in your county?
yes ☐ no ☐

If "no", should they contain such emphasis? yes ☐ no ☐





DEPARTMENT OF AGRICULTURE

WASHINGTON, D.C. 20250

November 17 1967

SECY'S REVIEW

USDA STATE DEFENSE POLICY MEMORANDUM NO. 49, SUPPLEMENT 4

Emergency Reporting Exercise

PURPOSE

To provide an emergency reporting exercise composed of two phases, the first of which is to be carried out by the USDA County Defense Boards and the second by the USDA State Defense Boards.

The purpose of Phase I and Phase II is to improve the understanding of emergency reporting procedures and to test the adequacy of the reporting forms and guidance covered in the USDA State and County Defense Operations Handbooks. Also the exercise provides a means for members of the State and County Defense Boards and their respective supporting staffs to gain additional experience in working together as a team in carrying out an assignment.

BACKGROUND

This Defense Board readiness exercise is the fifth of the series announced in USDA State Defense Policy Memorandum No. 49.

As you are aware, many problems in USDA's area of emergency responsibility would occur sometime after an attack. Therefore this exercise provides for assessing and reporting the situation 30 days after an assumed attack and summarizing the Board actions that would have been taken up to that time. The attack is assumed to have occurred on September 26.

PROCEDURE

Phase I - Upon receipt of the supply of the USDA County Defense Board exercise documents being sent under separate cover, the USDA State Defense Board shall:

1. Send three (3) sets to each USDA County Defense Board. Each set will include the instructions, a map showing the assumed attack and fallout patterns and the four (4) report forms. (See attachment)
2. Request USDA County Defense Boards to:
 - a. Familiarize themselves with information and instructions concerning this exercise and review County Handbook guidance on emergency reporting forms and procedures.

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1911年11月11日

1. 11月11日，星期日，晴。上午九时，由上海乘火车赴南京。沿途风景甚佳，但时间匆促，未能细观。下午二时，抵南京，即往总统府谒见袁总统。袁总统接见甚为亲切，并命秘书官陪同至其官邸休息。晚饭后，袁总统又召见各要人，讨论军政要务。至十一时方散。是日，南京各界代表亦来谒见袁总统，呈递请愿书，要求袁总统早日复辟共和。袁总统对之表示慰勉，并谓：「共和之实现，非一日之功，尚须耐心经营。」

2. 11月12日，星期一，晴。上午九时，由南京乘火车赴徐州。沿途风景甚佳，但时间匆促，未能细观。下午二时，抵徐州，即往徐州府衙谒见袁都督。袁都督接见甚为亲切，并命秘书官陪同至其官邸休息。晚饭后，袁都督又召见各要人，讨论军政要务。至十一时方散。是日，徐州各界代表亦来谒见袁都督，呈递请愿书，要求袁都督早日复辟共和。袁都督对之表示慰勉，并谓：「共和之实现，非一日之功，尚须耐心经营。」

3. 11月13日，星期二，晴。上午九时，由徐州乘火车赴济南。沿途风景甚佳，但时间匆促，未能细观。下午二时，抵济南，即往济南府衙谒见袁都督。袁都督接见甚为亲切，并命秘书官陪同至其官邸休息。晚饭后，袁都督又召见各要人，讨论军政要务。至十一时方散。是日，济南各界代表亦来谒见袁都督，呈递请愿书，要求袁都督早日复辟共和。袁都督对之表示慰勉，并谓：「共和之实现，非一日之功，尚须耐心经营。」

4. 11月14日，星期三，晴。上午九时，由济南乘火车赴北京。沿途风景甚佳，但时间匆促，未能细观。下午二时，抵北京，即往总统府谒见袁总统。袁总统接见甚为亲切，并命秘书官陪同至其官邸休息。晚饭后，袁总统又召见各要人，讨论军政要务。至十一时方散。是日，北京各界代表亦来谒见袁总统，呈递请愿书，要求袁总统早日复辟共和。袁总统对之表示慰勉，并谓：「共和之实现，非一日之功，尚须耐心经营。」

- b. Complete the exercise in one or more regular Board meetings.
- c. Send one completed set of each of the four (4) requested reports to the State Defense Board Chairman no later than February 15, 1968, and retain one set (or two if desired).

Phase II - The USDA State Defense Board as its part of the exercise shall:

1. Summarize and evaluate the reports from USDA County Defense Boards. This can be done for the State Board by the appropriate supporting staff members.
2. In a regular meeting of the State Defense Board, review the summary and evaluation of county reports. On the basis of the attack and fallout map (accompanying the county instructions attached) and county reports complete the following reports required postattack by the USDA State Defense Operations Handbook.
 - a. Postattack rural fire damage (SDB Reporting Exercise Exhibit 1). Prepare summary report as of 30 days after the assumed attack. (See SDH Par. 449 and Exhibit 4C)
 - b. Food situation (SDB Reporting Exercise Exhibit 2). (See SDH Pars. 450, 518 and 443 and Exhibit 4D) Note: The food facility listing sheets have replaced the IBM cards mentioned in SDH Par. 443.
 - c. Agricultural production and non-food requisites (SDB Reporting Exercise Exhibit 3). Use the 40-day report form but prepare it as of D + 30. (See SDH Par. 452 and Exhibit 4F)
 - d. Timber resources (SDB Reporting Exercise Exhibit 4). Prepare report as of D + 30. (See SDH Par. 453 and Exhibit 4G)
3. Prepare a one-page narrative report (SDB Reporting Exercise Exhibit 5) indicating major actions the USDA State Defense Board believes it would have taken to carry out its responsibilities during the 30-day period following the assumed attack.
4. Send one copy of the completed State Defense Board reports and an evaluation of the county-level exercise to the ASCS Area Director with the Quarterly Report due by April 10, 1968.

The five (5) report forms for use by the USDA State Defense Board in this exercise follow.

RETENTION

This memorandum may be discarded after the readiness exercise reports have been submitted to national headquarters.

Attachments

George H. Walter

George H. Walter, Acting
Assistant to the Secretary

1. The first part of the paper is devoted to a discussion of the general principles of the theory of the structure of the atom.

2. The second part of the paper is devoted to a discussion of the general principles of the theory of the structure of the atom.

3. The third part of the paper is devoted to a discussion of the general principles of the theory of the structure of the atom.

4. The fourth part of the paper is devoted to a discussion of the general principles of the theory of the structure of the atom.

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10. The tenth part of the paper is devoted to a discussion of the general principles of the theory of the structure of the atom.

11. The eleventh part of the paper is devoted to a discussion of the general principles of the theory of the structure of the atom.

12. The twelfth part of the paper is devoted to a discussion of the general principles of the theory of the structure of the atom.

13. The thirteenth part of the paper is devoted to a discussion of the general principles of the theory of the structure of the atom.

14. The fourteenth part of the paper is devoted to a discussion of the general principles of the theory of the structure of the atom.

15. The fifteenth part of the paper is devoted to a discussion of the general principles of the theory of the structure of the atom.

16. The sixteenth part of the paper is devoted to a discussion of the general principles of the theory of the structure of the atom.

17. The seventeenth part of the paper is devoted to a discussion of the general principles of the theory of the structure of the atom.



DEPARTMENT OF AGRICULTURE

WASHINGTON, D.C. 20250

March 1 1968

USDA STATE DEFENSE POLICY MEMORANDUM NO. 49, SUPPLEMENT 5

County Readiness Check Sheet

PURPOSE

To provide a county readiness check sheet to be completed during the quarter ending June 30, 1968, by USDA County Defense Boards. This will constitute a quarterly readiness exercise.

BACKGROUND

The first readiness check sheet was completed by County Defense Boards in 1965. The results of this proved helpful in determining areas which warranted further attention. The present check sheet has been updated, but it retains some of the questions used before as a basis for comparison and an indication of progress.

PROCEDURE

1. This memorandum and attachment should be given the usual Policy Memorandum distribution.
2. Sufficient copies of the questionnaire will be sent to you under separate cover for distribution of an average of five copies to each County Defense Board. The aim in this case is to provide each member a copy.
3. Ask the County Board to consider and complete the check sheet in a meeting during the quarter beginning April 1 and submit the completed master copy to the State Defense Board by May 31.
4. The State Defense Board will summarize the results and review the summary at a State Defense Board meeting. A copy of the summary suggestions should be submitted to the ASCS Area Director with ~~the~~ quarterly report due by July 10, 1968. Copies of the summary should also be transmitted to the County Defense Boards with appropriate guidance for correcting any deficient areas.
5. Most of the questions can be answered by "yes" or "no", and the summary prepared by the State Defense Board will indicate for each of these questions the number of "yes" and the number of "no" answers. Question 12 will indicate the number of

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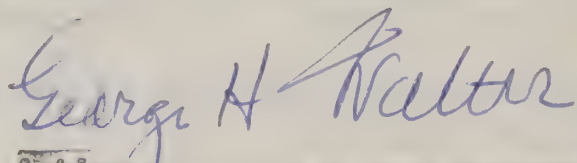
"frequently" and the number of "infrequently". Question 13 will indicate the number of counties reporting "active", "inactive" or no civil defense organizations. Question 15 will, in addition to the number of "yes" and "no" answers, indicate the number of counties reporting no local employment offices available. Significant readiness steps identified in answers to question 18 should be included in the summary along with any further evaluation, by the State Defense Board. If a comment is repeated many times, an indication of frequency would be helpful.

6. Results of this exercise should be considered by the Board in determining the types of training that need to be included in future County Board training meetings.

RETENTION

This memorandum may be discarded after the State summary has been transmitted to national headquarters.

Attachment .


Acting Assistant to the Secretary

1. The first part of the document is a letter from the President of the United States to the Congress, dated January 3, 1862. It is a very important document, as it contains the President's annual message to Congress.

2. The second part of the document is a report from the Secretary of the Interior, dated January 10, 1862. It contains information about the land and resources of the United States.

3. The third part of the document is a report from the Secretary of the Treasury, dated January 15, 1862. It contains information about the financial state of the United States.

4. The fourth part of the document is a report from the Secretary of the War, dated January 20, 1862. It contains information about the military forces of the United States.

5. The fifth part of the document is a report from the Secretary of the Navy, dated January 25, 1862. It contains information about the naval forces of the United States.

COUNTY READINESS CHECK SHEET

(Note: Asterisks (*) indicate questions similar to those used in County Readiness Questionnaire of August 1965, repeated here for comparison)

1. (a). Have successors to Board Chairmen been designated? (CDH Par. 310)
yes ☐ no ☐
- *(b). Have successors to Board members been designated? (CDH Par. 311)
yes ☐ no ☐
- *(c). Have Board members and successors been trained to carry out their defense responsibilities? (CDH Par. 310, 311, 312)
yes ☐ no ☐
- (d). Do Board members have a working understanding of each others responsibilities? (CDH Par. 303)
yes ☐ no ☐
2. (a). Has an alerting procedure been developed and distributed to the Defense Board and support staff? (CDH Par. 301)
yes ☐ no ☐
- (b). Do all members of the Board and support staff understand the alerting procedure? (CDH Par. 301)
yes ☐ no ☐
3. *(a). Has the telephone company placed the office and home phones of County Defense Board members on the essential service lists? (CDH Par. 315)
yes ☐ no ☐
- (b). Have arrangements been made for the use of an amateur radio operator or radio facilities of a USDA agency in an emergency as backup to commercial telephones. (CDH Par. 315)
yes ☐ no ☐
4. Have you confirmed with appropriate local government officials the adequacy of your OCD Identification Card, SF 138, to permit your:
 - (a). Entering natural disaster areas to carry out assigned disaster responsibilities? (CDH Par. 213)
yes ☐ no ☐
 - (b). Entering damaged areas in a civil defense emergency to carry out assigned responsibilities? (CDH Par. 213)
yes ☐ no ☐
5. *(a). Has the Board developed an overall defense operations plan similar to the "Somerset County" Plan distributed in 1963? (Sample distributed to counties by State Boards in 1964.)
yes ☐ no ☐

- (b). Are completed plans kept current to reflect the latest official guidance available or changes in the local situation? (State board guidance)
6. Have you made specific arrangements for operating the USDA monitoring program, including:
- *(a). Staffing? (CDH Par. 1002, Ag Handbook 246) yes ☐ no ☐
 - *(b). Location of monitoring stations? (CDH Par. 1002, Ag Handbook 246, Agency Part) yes ☐ no ☐
 - *(c). Reporting of radiation levels? (CDH Pars. 341A, 1003A) yes ☐ no ☐
 - *(d). Exchange of data with County Civil Defense Operating Center? (CDH Par. 1003B Ag Handbook 246, P. 7) yes ☐ no ☐
 - *(e). The procedure for determining when it is safe to leave the shelter and proceed to carry out USDA postattack responsibilities? (CDH Pars. 314, 341A and 1003A) yes ☐ no ☐
7. Have plans been made as to how to determine areas affected by blast, fire and fallout resulting from enemy attack? (CDH Par. 326) yes ☐ no ☐
8. (a). Is the food representative prepared to determine effects of attack on food production, processing, storage and distribution resources in the county? (CDH Par. 402 - Also Definitions and Procedures - Food Facility Listings) yes ☐ no ☐
- (b). Is the food representative prepared to draw conclusions, make decisions and take actions to manage food processing, storage and distribution, including issuance and administration of Defense Food Order No. 2? (County emergency records, Filing Code ASCS-6) yes ☐ no ☐
9. Has responsibility been assigned for preparing and for submitting the necessary reports as prescribed to the Chairman of the State Defense Board concerning:
- *(a). Radiological monitoring? (CDH 341A) yes ☐ no ☐
 - *(b). Biological and chemical attack? (CDH Par. 341B and Chapter 5) yes ☐ no ☐
 - *(c). Rural fire defense? (CDH Pars. 341C and 803.) yes ☐ no ☐
 - *(d). Administrative capability? (CDH Par. 342) yes ☐ no ☐
 - *(e). Food situation reports? (CDH Pars. 343 and 402) yes ☐ no ☐

* (f). Food processing and storage facilities? (CDH Par. 344)
yes ☐ no ☐

10. Are County Defense Board Emergency records current and readily available for use in an emergency or for test exercises? (CDH Par. 316)
yes ☐ no ☐

(a). Does the emergency records filing system follow Exhibit 4 of the USDA County Defense Operations Handbook? (CDH Par. 316 and Exhibit 4)
yes ☐ no ☐

(b). Has a custodian been assigned to handle the records in an emergency and during test exercises? (CDH Par. 316)
yes ☐ no ☐

(c). Are the emergency records sent to you from the State Defense Board Chairman augmented by records submitted by the agency members on the County Defense Board? (State Board records guidance in response to national directive)
yes ☐ no ☐

(d). Are you receiving sufficient guidance on emergency records from the State Board Chairman? (CDH Par. 316)
yes ☐ no ☐

11. (a). Are County Civil Defense officials invited to all USDA County Defense Board meetings? (State Board guidance in response to national directive.)
yes ☐ no ☐

* (b). Does a county defense official attend most USDA County Defense Board meetings? (State Board guidance in response to national directive)
yes ☐ no ☐

*12. Is rural civil defense discussed with farmers and other rural residents at regular program meetings? (State board guidance and Secretary's Memorandum No. 1527)
frequently ☐ infrequently ☐

*13. What is the status of your local (county or metropolitan) civil defense organization?
active ☐ inactive ☐ none ☐

*14. Have you discussed with your contact in local government the essentiality of fuels for farmers and processor and wholesaler distributing facilities and how you can work with him in arranging for the distribution of fuels available for USDA emergency programs? (See county emergency records, Filing Code SS-4)
yes ☐ no ☐

15. *(a). Have you discussed the supplement on manpower with the head of the local employment office of your State Employment Security Agency? (See county emergency records, Filing Code SS-4)
no local office available ☐ yes ☐ no ☐

*(b). Have you reached an understanding with the head of that office on how you will work with him in a disaster or defense emergency on obtaining essential manpower for farmers and operators of food facilities under USDA jurisdiction? (See county emergency records, Filing Code SS-4)
yes ☐ no ☐

*16. Do personnel of other Federal agencies, county agencies, agricultural and food trade organizations, financial organizations and associations, civic groups and other important public and private groups in the county understand the purpose and function of the USDA County Defense Board in a defense emergency? (CDH Par. 602) generally ☐ generally ☐
yes ☐ no ☐

GENERAL

17. Does the Board:

(a). Have an adequate understanding of emergency responsibilities? (See CDH and emergency records) yes ☐ no ☐

(b). Feel confident it could carry out its responsibilities whether or not communications are received from higher authority? (See CDH and emergency records) yes ☐ no ☐

18. What additional steps must be taken to be ready to carry out USDA responsibilities in an emergency?



DEPARTMENT OF AGRICULTURE

WASHINGTON, D.C. 20250

Aug 7 1968

USDA STATE DEFENSE POLICY MEMORANDUM NO. 49, SUPPLEMENT 6

Family Readiness

SECRETARY'S FILES

PURPOSE

FILED

RECORDS & COM. DIV.

To provide a quarterly readiness exercise to be completed by USDA State and County Defense Board members and others during the quarter ending December 31, 1968.

BACKGROUND

Readiness of the USDA Defense Board to carry out its assigned duties under attack or wartime conditions will depend to a great extent upon the preparedness of its individual members, their immediate families and others. This readiness exercise is devoted to certain measures to be taken to plan ahead--to find the best protected part of the home, to store food and water in event of an emergency, and to learn how a family might react in an emergency situation.

The material covered in this exercise was prepared as a part of the USDA effort to build defense readiness into meetings with rural people. It is hoped that the Cooperative Extension Service and other USDA agencies will also make wide use of this material in rural meetings planned for other regular program purposes.

PROCEDURE

1. Exercise Materials

- a. Three pamphlets will be sent for use in conducting this exercise at State and county levels:

Finding the Best Protected Part of Your Home (Script)
Food for Family Survival (Script)
How Will Your Family Act in an Emergency (Leader's Guide and three-part quiz)

- b. The slide sets "Finding the Best Protected Part of Your Home" and "Food for Family Survival" have been distributed to most county Extension offices and can be borrowed. The person discussing "How Will Your Family Act in an Emergency" may want to use as background information "First Aid for Psychological Reactions in Disaster", a copy of which has also been distributed to county Extension offices. If these items are not available locally, a limited number

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of copies of the slides and publication may be obtained by sending a request through usual Defense Board channels.

2. Distribution

You will receive under separate cover:

- a. Sufficient copies of the literature mentioned in 1-a above to make the following distribution during the board meeting(s):
 - (1) One copy to each State Defense Board member.
 - (2) An average of five copies to each County Defense Board in order to provide each member a copy.
- b. Sufficient copies of this supplement to make the usual State level distribution to board members and others.
- c. Sufficient copies of the reporting format (see attachment 1) for a distribution of five copies to each County Defense Board in order to provide each member a copy.

3. State Level Exercise

This three-part exercise has been used in several States as a part of the Rural Civil Defense Extension program and State Defense Board members may have participated in a discussion of this material. In States where this has not already been done, it is suggested that arrangements be made by the chairman for review of this material at one or more regular meetings of the Defense Board members and others as appropriate, including Civil Defense representatives. The chairman can conduct this review or have some other board member do so.

After the meeting the following information should be prepared for inclusion in the regular quarterly defense report due January 10, 1969:

Number of State Board members who have taken survival steps

Had done so before exer- cise was given	Plan now to do so
---	----------------------

How many Board members have:

- a. Selected a home shelter
area

- b. An emergency food and
water supply _____
- c. Held family discussion on
how to act in an emergency _____

4. County Level Exercise

- a. The chairman of the State Defense Board will notify the County Defense Board chairmen of the provisions of this exercise. Each County Defense Board chairman will discuss the exercise with members of his County Defense Board, and arrange for the exercise to be conducted at one or more County Defense Board meetings to be held during the quarter. In some cases, the Extension Service member or some other member of the Board may wish to give the exercise; in some other cases a trained leader from the community may be able to do so.
- b. Because of the subject matter of the exercise, the meetings should be open not only to County Defense Board members and their families, but to other USDA personnel and their families, and others as appropriate, including Civil Defense representatives.
- c. In areas where the Home Fallout Protection Survey has been conducted, it may be desirable to have a Civil Defense representative briefly explain the survey and significance of the information returned to the individual families. If the area has a Community Shelter Plan, this too may be explained. In any event, the local representative of Civil Defense should be invited to participate in the exercise.
- d. Each County Defense Board chairman will prepare the report prescribed in attachment 1. One copy of the exercise report will be sent to the chairman of the State Defense Board by December 31, 1968, and one copy retained in the County Defense Board files. (The remaining copies may be retained or discarded according to the wishes of the County Board.)
- e. The State Defense Board chairman, in addition to any comments regarding the exercise, will attach the following information to the quarterly defense report due January 10, 1969:

(1) Number of County Defense Boards which:

_____ gave this readiness exercise in one session.
_____ held two or more sessions.
_____ did not use readiness exercises.

(2) _____ percent of County Board members who attended all sessions at which the exercise was given.

(3) _____ percent of counties where guests participated in the exercise along with board members.

(4) State summary of exercise findings:

Number of County Board members who have taken survival steps:

	Had done so before exer- cise was given	Plan now to do so
How many board members have:		
(a) Selected a home shelter area	_____	_____
(b) An emergency food and water supply	_____	_____
(c) Held family discussion on how to act in an emergency	_____	_____

RETENTION

This memorandum may be discarded after the State summary has been transmitted to national headquarters.

George H. Walters
Assistant to the Secretary

Attachment

signed by George H. Walters
Assistant to the Secretary

USDA County Defense BoardFAMILY READINESS

	<u>Food for Family Survival</u>	<u>Finding the Best Protected Part of Your Home</u>	<u>How Will Your Family Act in an Emergency</u>
(1) Date exercise was given _____	(Circle dates if covered in same session)		
(2) Number of Board members attending _____	_____	_____	_____
(3) Total number parti- cipating (include members, families and other guests) _____	_____	_____	_____
(4) Survival steps taken:	Had done so before exer- cise was given _____	Plan now to do so _____	

How many board members have:

- | | | |
|--|-------|-------|
| (a) Selected a home shelter
area | _____ | _____ |
| (b) An emergency food and
water supply | _____ | _____ |
| (c) Held family discussion
on how to act in an
emergency | _____ | _____ |

1. Introduction

(The following text is a summary of the main points of the report.)

2. Methodology
The data was collected from a series of experiments conducted over a period of six months. The results are presented in the following tables.

3. Results
The results of the experiments show a clear trend of increasing values over time. This is supported by the data presented in the tables.

4. Conclusion
The findings of this study suggest that the proposed method is effective in achieving the desired results. Further research is needed to confirm these findings.

USDA County Defense Board

FAMILY READINESS

	<u>Food for Family Survival</u>	<u>Finding the Best Protected Part of Your Home</u>	<u>How Will Your Family Act in an Emergency</u>
(1) Date exercise was given	_____	_____	_____
	(Circle dates if covered in same session)		
(2) Number of Board members attending	_____	_____	_____
(3) Total number parti- cipating (include members, families and other guests	_____	_____	_____
(4) Survival steps taken:			
	<u>Had done so before exer- cise was given</u>	<u>Plan now to do so</u>	
How many board members have:			
(a) Selected a home shelter area	_____	_____	
(b) An emergency food and water supply	_____	_____	
(c) Held family discussion on how to act in an emergency	_____	_____	



DEPARTMENT OF AGRICULTURE
WASHINGTON, D.C. 20250

NOV 22 1968

USDA STATE DEFENSE POLICY MEMORANDUM NO. 49, SUPPLEMENT 7

Emergency Food Situation Reporting Exercise

PURPOSE

To provide an emergency food reporting exercise to be carried out by USDA State and County Defense Boards during the first two quarters of 1969. The present exercise is designed to:

- A. Give State and County Defense Boards an opportunity to test the adequacy of the new food situation reporting procedures and forms included in the revised USDA State and County Defense Operations Handbooks and to gain additional experience in working together. Hence, emphasis here is placed on the use of reporting procedures and forms rather than on the accuracy of data and calculations.
- B. Provide national headquarters with field evaluations of the procedures and forms as well as suggestions for improvement.

BACKGROUND

An exercise conducted a year ago revealed some problems on food situation reporting which we have attempted to remedy in the revised USDA State and County Defense Operations Handbooks. A new exercise is needed now which will test the revised food situation reporting procedures and forms. Instructions for such an exercise (which have been reviewed in four States and three counties) are contained in this memorandum. Wherever possible, reference is made to guidance in the revised Handbooks. Where necessary, additional guidance is included in this memorandum to make this a more meaningful exercise.

Procedures at the State level are given in the first section of this memorandum. Instructions for the County Defense Boards are attached. Both State and county instructions will be distributed at the State level. The county attachment will be distributed separately to the County Defense Boards. A supply of instructions for this purpose is being sent under separate cover.

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THE UNIVERSITY OF CHICAGO

The attack pattern and other assumptions upon which the exercise is based are found under item IX of the attached County Defense Board instructions.

ACTION

- A. When the supply of the USDA County Defense Board exercise documents being sent under separate cover is received, the USDA State Defense Board shall:
 1. Send three (3) sets of these documents to each County Defense Board. Each set will include the exercise instructions, a map showing the simulated attack and fallout patterns, and three (3) blank worksheets and forms. (See attachment)
 2. Request each County Defense Board to carry out the exercise according to the instructions.
- B. In order to carry out the exercise at the State level, the USDA State Defense Board is requested to:
 1. Distribute copies of this memorandum at the State level in accordance with USDA State Defense Policy Memorandum No. 8.
 2. Become familiar with information and instructions outlined in this memorandum and County Board instructions attached. Review the USDA State and County Defense Operations Handbooks guidance on food situation analysis and reporting procedures and forms. (See SDH Pars. 460, 461, 462, 475, and 526)
 3. Analyze the general assumptions and simulated attack pattern on the map provided in the County Board instructions attached and visualize the impact of the assumed attack on the population and selected resources in the State. Analyze returns from County Defense Boards when available.
 4. Carry out the exercise with the aid of staff specialists designated and functioning in accordance with SDH Pars. 405, 460, 461, 462 and 525. It is suggested that these staff specialists prepare report drafts and worksheets prior to any Defense Board meeting where documents to be transmitted to national headquarters will be discussed. State Civil Defense personnel should also be invited to attend the Board meetings.
 5. Complete the food situation worksheets and reports listed in the following table and send them to national headquarters in accordance with the indicated time schedule.

<u>State Exercise Document Number</u>	<u>Report Forms or Worksheets</u>	<u>SDH Exhibit Number</u>	<u>Date for Submission to National Hdqtrs.</u>
1	Initial State Summary Report - State Food Situation D+7 <u>1/</u>	--	April 10, 1969 (with quarterly report)
2	Narrative Report of Gross Estimate of Food Situation in State D+14 <u>2/</u>	--	July 10, 1969 (with quarterly report)
3	State Worksheet for Detailed County Food Situation for Current Week Ending D+21 <u>3/</u>	4F	July 10, 1969 (with quarterly report)
4	State Food Situation Report for Current Week Ending D+21 <u>4/</u>	4H	July 10, 1969 (with quarterly report)
5	Evaluation Report <u>5/</u>	--	July 10, 1969 (with quarterly report)

- 1/ Use ordinary paper to report food situation as of D+7 using alpha numeric procedure outlined in CDH Par. 356. (This report is not now required by the USDA State Defense Operations Handbook but would reflect the results of initial postattack damage assessment at the State level.)
- 2/ Use ordinary paper. Report is based on review of county summary reports as of D+7 plus other information as may be available at the State level. (See SDH Pars. 461 and 475)
- 3/ Submit worksheet using form attached as required in this exercise to facilitate exercise evaluation. (In a post-attack situation, the worksheet would be filled out but not submitted to national headquarters.) (See SDH Pars. 462 and 475)
- 4/ Submit report using form attached. (See SDH Pars. 462 and 475)
- 5/ Use ordinary paper. This narrative report should include a candid appraisal of the emergency food reporting procedures and forms along with specific suggestions for improvement.

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RETENTION

One copy of this memorandum and completed exercise shall be retained for one year as a training aid.

Attachments - Blank forms for State Board use
County Board exercise instructions

John D. Neville
Acting Assistant to the Secretary

Emergency Food Situation Reporting Exercise
Instructions for Use of USDA County Defense Boards

I. PURPOSE

To provide an emergency food situation reporting exercise to be completed by County Defense Boards by March 31, 1969. The present exercise is designed to:

- A. Give County Boards an opportunity to test the adequacy and clarity of the new food situation reporting procedures and forms included in the revised USDA County Defense Operations Handbook and to gain additional experience in working together. Hence, emphasis here is placed on the use of reporting procedures and forms rather than on the accuracy of data and calculations.
- B. Provide State Boards with county evaluations of the procedures and forms as well as suggestions for improvement.

II. BACKGROUND

An exercise conducted a year ago revealed some problems on food situation reporting which we have attempted to remedy in the USDA County Defense Operations Handbook. A new exercise is needed now which will test these revised food situation reporting forms and procedures. Instructions for such an exercise (which has been reviewed in three counties) are contained in this memorandum. (Three (3) sets of the instructions are available to each County Defense Board.) Wherever possible, use is made of guidance in the revised Handbook. Where needed, guidance is included in this memorandum in order to make this a more meaningful exercise.

The attack pattern and other assumptions upon which this exercise is based are found under item IX below.

ACTION

Each County Board is requested to:

- 1. Become familiar with information and instructions contained in this memorandum and review County Defense Operations Handbook guidance on emergency food reporting procedures and forms. (See CDH Pars. 355, 356, 408 and 409)
- 2. Analyze the exercise assumptions provided in item IX below as they relate to the impact of the assumed attack on population and selected resources in the county.
- 3. Carry out the exercise with the assistance of the food agency (usually AACS) personnel. (See CDH Pars. 356, 408 and 409) It is suggested that as much as possible of this exercise be carried out during a regular Board meeting. Local Civil Defense personnel should also be invited to attend.



D. Complete and submit to the USDA State Defense Board one set of the worksheets and reports listed in the table below in accordance with the indicated due date. Complete and retain the other two sets for one year for use in further training.

<u>County</u> <u>Exercise</u> <u>Document</u> <u>Number</u>	<u>Report Forms or Worksheets</u>	<u>CDH</u> <u>Exhibit</u> <u>Number</u>	<u>Date for Submission</u> <u>to State Defense Bd.</u>
1	Initial Summary Report as of D+7	3H	March 31, 1969
2	Food Facility Listing Worksheet D+14	--	March 31, 1969
3	County Food Situation Worksheet for Current Week Ending D+14	4A	March 31, 1969
4	Detailed County Food Situation Report for Current Week Ending D+14	3I	March 31, 1969
5	Evaluation Report	--	March 31, 1969

Explanation of these exercise documents is given in items IV through VIII below.

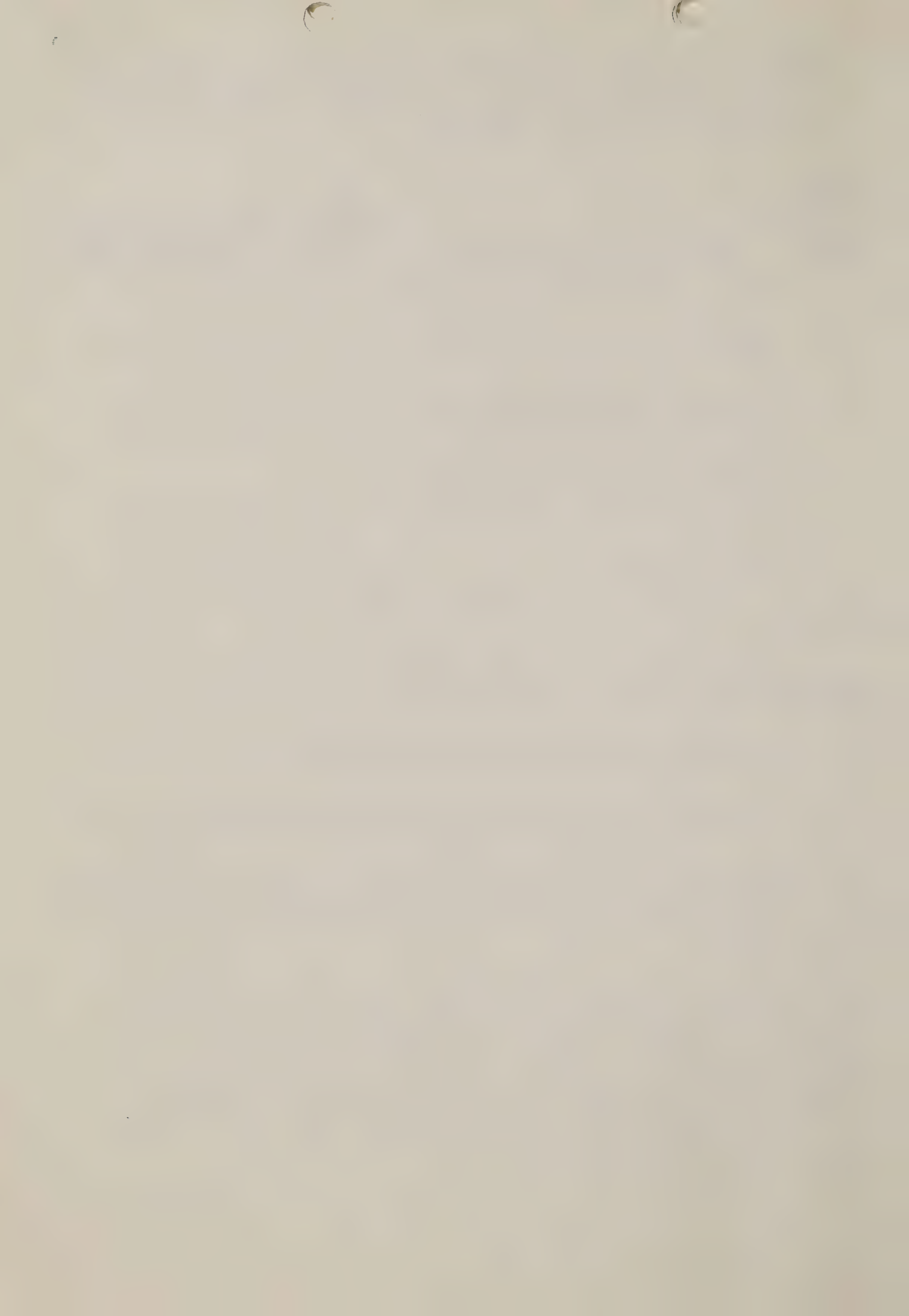
IV. EXERCISE DOCUMENT NUMBER 1 -- INITIAL SUMMARY REPORT AS OF D+7 (CDH EXHIBIT 3H).

Use ordinary paper and indicate on it the name of the county. Prepare coded report as directed in CDH Par. 356A and Exhibit 3H.

V. EXERCISE DOCUMENT NUMBER 2 -- FOOD FACILITY LISTING WORKSHEET AS OF D+14.

This specially designed worksheet contains columns "L, M, N, P and Q" as shown on page 3 of "Definitions and Procedures -- Food Facility Listings", August 1968, filed with your food facility listings under New Filing Code: SS 9-3. Column "R" mentioned in "Definitions and Procedures" is not used in this exercise.

A copy of this worksheet should be clipped on the right side of each County Food Facility Listing page in such a manner that the section on "Postattack Capability" matches. This worksheet will be used in this exercise to estimate the capacity and ready-to-eat food inventory of processors under USDA program jurisdiction. In this exercise, inventory figures for distributors and wholesalers will be simulated but in a different manner as described under VI Exercise Document Number 3 -- "County Food Situation Worksheet" below.



(In a postattack situation, columns "M" through "R" of the listings would be completed for all types of food facilities under USDA jurisdiction with the aid of reports received from the management of these facilities in accordance with reporting provisions of DFO No. 2. The listings themselves would then be used as reporting media.)

Complete each column of the worksheet for D+14 using form attached as follows:

Column "L" - "Preattack Total Capacity" -- See page 3 of "Definitions and Procedures" which accompany the food facility listings (New Filing Code: SS 9-3) for a review of the units to be used in entering capacity per week. Transcribe to the exercise worksheet any capacity per week data already appearing in listings for each processing facility in Food Groups 1 through 8 plus categories MBF, MIX and MIY in Food Group 9. Otherwise, enter your best estimate of the capacity per week. These estimates are to be based on information already available to the Board and shall not involve a survey. Such gross estimates are for exercise use only and should not be used for any other purpose.

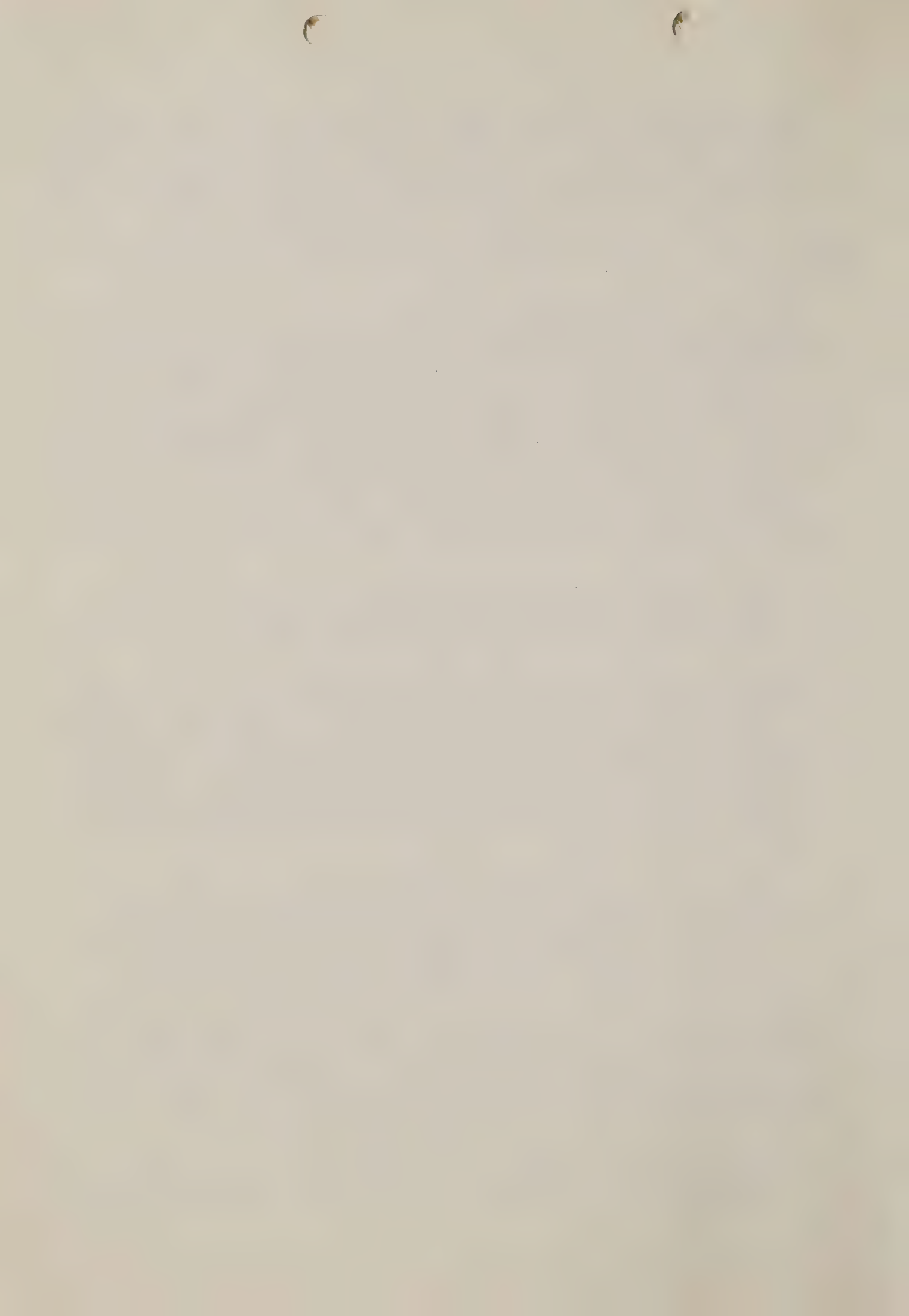
(In a postattack situation, any capacity figures not already available would be obtained directly from the facility's management as provided in section 10 of DFO No. 2.)

Column "M" - "Postattack Capability - Inventory" -- Assume for this exercise a normal preattack inventory of 150 percent of the capacity per week figure for each processor indicated in column "L" unless in the judgment of the County Board some other inventory figure would be more appropriate. Adjust the inventory data for each processing facility on the basis of attack assumptions to establish a postattack inventory entry in column "M" in terms of thousand pound units of ready-to-eat food.

(In a postattack situation, inventory figures for these processors would be obtained directly from the management of the food resource facility. Section 10 of DFO No. 2 requires each respondent to the Order to provide inventory information to the County Defense Board in whatever form the Board may desire.)

Column "N" - "Postattack Capability - Capacity - Percent Preattack" -- Review the attack pattern shown on the map with exercise assumptions to develop an estimate of the percentage of preattack capability remaining as of D+14 for each listed processor in Food Groups 1 through 8 plus categories MBF, MIX and MIY in Food Group 9.

(In a postattack situation, such percentage figures would not be needed if actual capacity can be obtained as indicated in column "P" below.)



Column "P" - "Postattack Capability - Capacity - Total Remaining" -- Multiply the preattack capacity per week figure for each processing facility in Food Groups 1 through 8 and categories MBF, MIX and MIY in Food Group 9 in column "L" by percentage shown in column "N" for each facility to obtain the total remaining capacity expected to be available on D+14.

(In a postattack situation, these figures would be obtained directly from the management of each facility in accordance with reporting provisions of DFO No. 2.)

Column "Q" -- No entry in D+14 report.

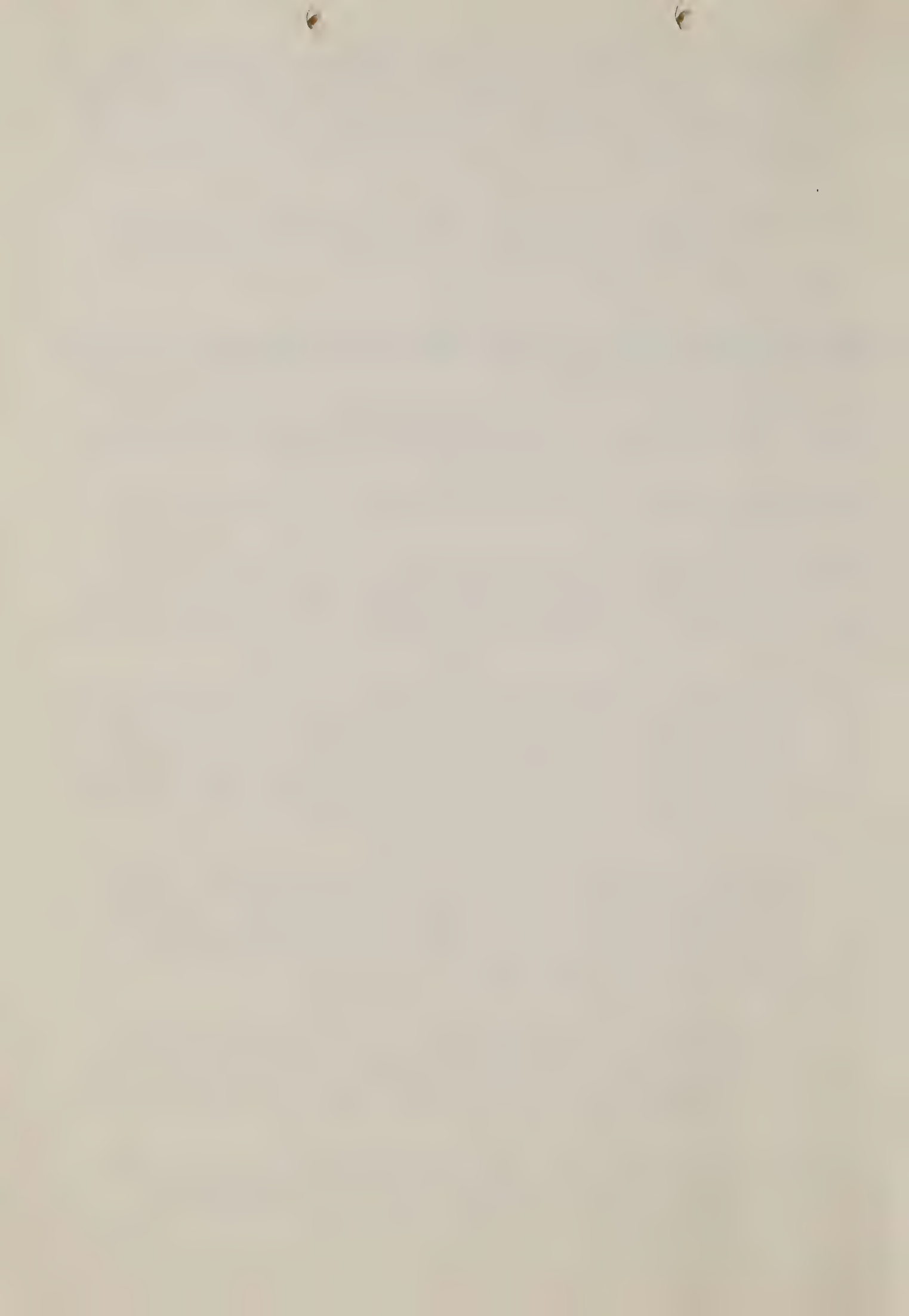
VI. EXERCISE DOCUMENT NUMBER 3 -- COUNTY FOOD SITUATION WORKSHEET FOR CURRENT WEEK ENDING D+14 (CDH EXHIBIT 4A).

Some resource data will be in thousands of pounds and some will be in pounds. Convert all data to a uniform basis by completing the worksheet form attached in terms of pounds of ready-to-eat food.

Surviving Population. Estimate surviving population as indicated in item IX A2 on page 6 below.

Column 3 - Inventory Beginning of Report Week -- Inventory figures for all ready-to-eat food sources should be added together to develop a total food inventory for column 3 of the County Food Situation Worksheet. These figures are to be developed and combined as follows:

- a. Inventory of Primary Food Processors by Food Group: Summarize by Food Group, the ready-to-eat food inventory of food processors under USDA jurisdiction as indicated in column "M" of the Food Facility Listing Worksheet. Totals for categories MBF, MIX and MIY should be added to the most appropriate Food Group 1 through 8. Transfer these totals by food groups in pencil to column 3 of the County Food Situation Worksheet.
- b. Ready-to-Eat Food Stocks in Distributor and Wholesaler Facilities plus Refrigerated and Dry Storage Facilities in Food Group 9: FDA, FDE, FDH, FDM, FDS, FDY, FDC (food part), FDI, FDP, FDW, WAC, WAF, WAG (food part), WAN and WAS. (Some categories of this Food Group were not included in this exercise because they do not handle ready-to-eat foods.)
 - (1). Multiply the total number of facilities in each category by 360,000 (average number of gross cubic feet of food storage space per warehouse) and then multiply the resultant figure by 15 (average pounds per gross cubic foot of warehouse space).
 - (2). Assign the totals for categories FDA, FDE, FDH, FDM, FDS and FDY to the appropriate Food Group 1 through 8 and enter in pencil in column 3 of the County Food Situation Worksheet.



- (3). Use the total pounds figure for each of the other categories FDC (food part), FDI, FDP, FDW, WAC, WAF, WAG (food part), WAN and WAS as indicated in "d" below.

(In a postattack situation, these inventory figures would be obtained directly from the facilities themselves and entered on the Food Facility Listings in spaces which will be adapted for this purpose. They would be summarized and transferred to column 3 of the County Food Situation Worksheet.)

- c. Secondary Food Stocks Controlled by State and Local Government: For purposes of this exercise, develop the total inventory figure for secondary food stocks controlled by State and local government by multiplying the estimated surviving population in the county by a factor of 45 pounds per person (average two weeks supply of food stocks in homes and in retail channels). Use the total pounds figure as indicated in "d" below.

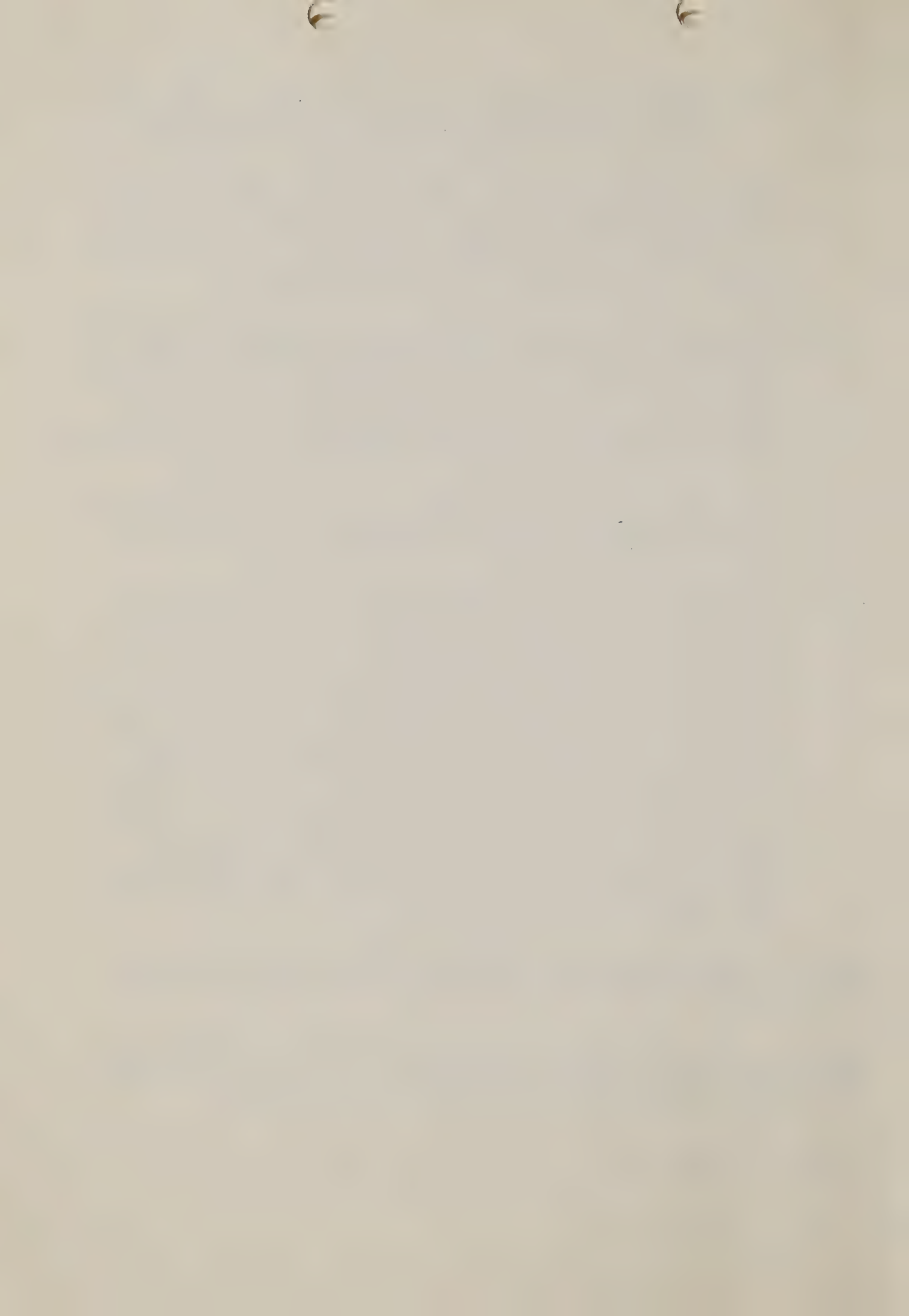
(In a postattack situation, these figures would be provided by local government officials in accordance with the USDA-State Memorandum of Understanding and State Food Plan.)

- d. Summarization of b and c Above and Completion of Column 3: The total inventory figure for food distributors, wholesalers and ready-to-eat food storage warehouses developed in item "b" above for categories FDC (food part), FDI, FDP, FDW, WAC, WAF, WAG (food part), WAN and WAS should be added to the total inventory figure for secondary food stocks developed in item "c" above. This combined figure should be distributed among Food Groups 1 through 8 on the basis of the County Defense Board's best estimate of types of ready-to-eat food stocks normally available in the county. These distributed estimates, by Food Group, should then be added to the penciled figures for processors inventories already recorded in column 3 of the County Food Situation Worksheet. Note that this procedure does not provide for any inventory figure to be reported for Food Group 9.

Column 4 - Weekly Processing Capability -- Complete by transferring Food Group totals from column "P" of the Food Facility Listing Worksheet for D+14.

Column 5 - Average Weekly Farm Deliveries and Column 6 - Total Supply Available by County -- Complete by referring to instructions relating to CDH Exhibit 4A and exercise assumptions in item IX below.

Columns 7, 8, 9, 10 and 11 -- Need not be completed for the D+14 report.



(In a postattack situation, this worksheet -- CDH Exhibit 4A -- would be retained at the county level. In this exercise, it is to be transmitted to the State Defense Board.)

VII. EXERCISE DOCUMENT NUMBER 4 -- DETAILED COUNTY FOOD SITUATION REPORT FOR CURRENT WEEK ENDING D+14 (CDH EXHIBIT 3I).

Complete report using form attached. (See CDH Par. 356B and Exhibit 3I)

VIII. EXERCISE DOCUMENT NUMBER 5 - EVALUATION REPORT.

Use ordinary paper for this narrative appraisal of the adequacy and clarity of the new food situation reporting procedures and forms. Include your specific suggestions for improvement of reporting procedures and forms.

IX. EXERCISE ASSUMPTIONS

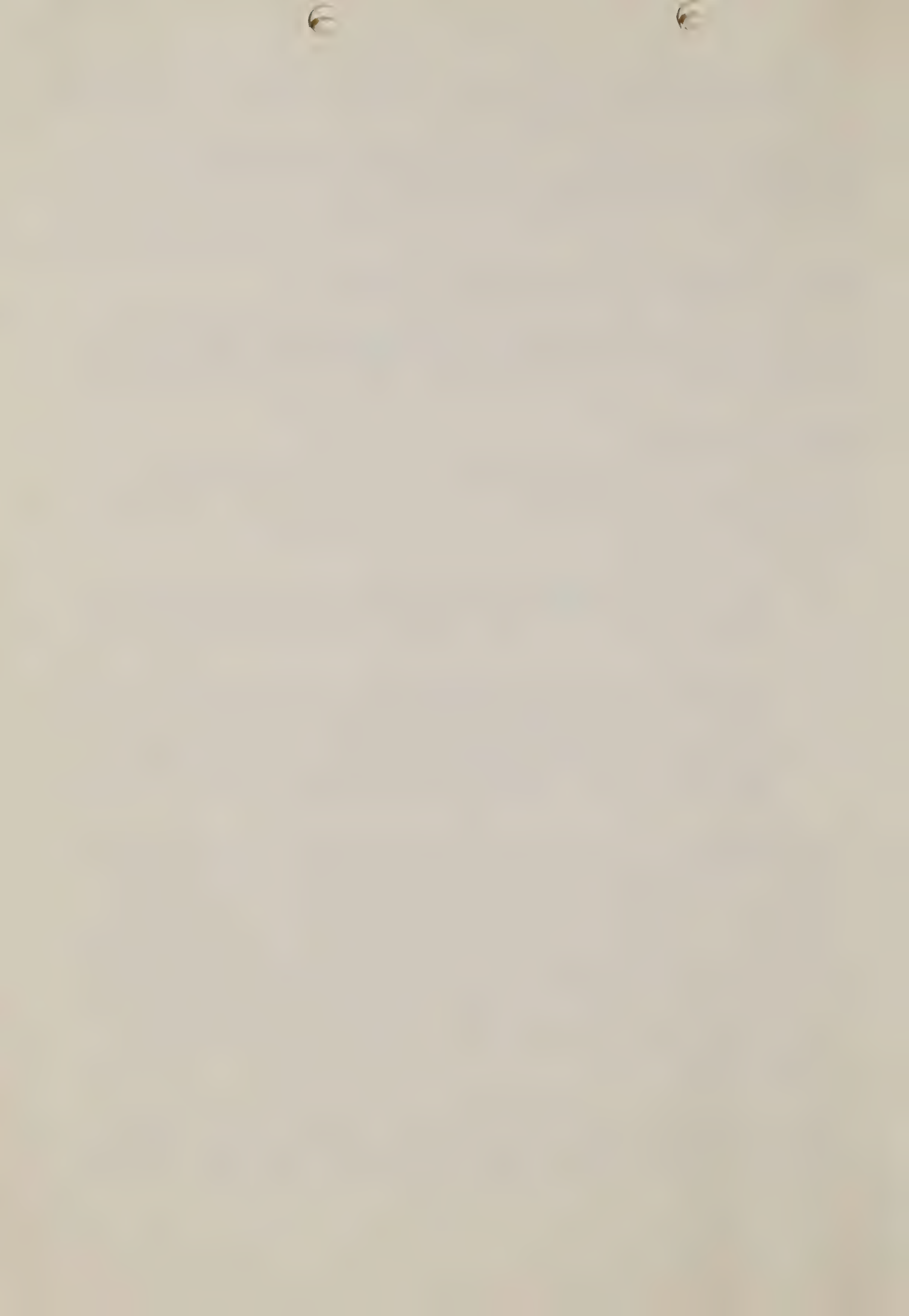
Listed below are the assumed attack conditions as of D+14 following an assumed attack on September 26.

A. General Assumptions.

1. Assume that the County Boards had limited mail and telephone contact with the State Board throughout the 14-day postattack period.
2. In determining the food situation, take into account all food stocks including current inventories, farm deliveries and processing of ready-to-eat food in the county. Estimate the remaining population as outlined under items "D", "E" and "F" below and use the "National Emergency Food Consumption Standard" (CDH Exhibit 4B) to determine food requirements.

B. Attack Pattern. The attached map shows the nuclear detonations and fallout patterns resulting from an assumed attack on the United States on September 26. Ground bursts are marked with a diamond accompanied by a fallout pattern and air bursts are marked with a round dot. Contour lines on the map represent fallout or radiation intensity converted to an H+1 base, as though it had all been deposited on the ground at one time, even though such fallout may take several hours to arrive downwind. The legend on the reverse side of the map indicates the levels of radioactivity resulting from fallout decay in each of the contour areas for various postattack time periods.

State Boards in Atlantic Coast States from South Carolina through Maine will receive under separate cover an enlarged map segment of the east coast to help in reading the map for that highly congested area.



- C. Attack Effects. In this exercise, all weapon detonations shown on the map are assumed to be three megatons in size. Blast and fire damage result from both ground and air bursts and fallout is deposited from ground bursts only. Weapon effects criteria for use in determining the surviving resources on D+14 are reviewed in separate sections below.
- D. Blast. Two areas around ground zero are to be assumed in estimating blast effects. These areas include a radius of 8 miles and 15 miles for ground bursts and 10 miles and 18 miles for air bursts. Considering blast effects only, use the following percentages of preattack resources to determine surviving resources within each of these two areas on D+14.

<u>Remaining Items</u>	<u>Inner Blast Area</u>	<u>Outer Blast Area</u>
	<u>D+14</u>	<u>D+14</u>
Population	30%	70%
Livestock	10%	40%
Facilities in Operating Condition	None	50%
Food Supplies	None	Non-perishable supplies only

- E. Fire. Assume that surface winds which have an effect on fire are blowing in the same direction as the drift of fallout shown on the map. The fire area will include results of the initial fire caused by detonations of the weapon itself and any secondary fire ignited by the initial fire. On this basis, assume that fire has spread downwind from ground zero to cover the total mileage shown below.

<u>Type of Burst</u>	<u>Downwind (Miles)</u>	<u>Width (Miles)</u>
	<u>D+14</u>	<u>D+14</u>
Air	24.9	12
Ground	20.6	12

Assume that all facilities that may be constructed of combustible material; food supplies; other flammable resources; and about half of the human and livestock population located within the fire spread areas which survived the blast are either destroyed by fire or incapacitated through D+14. Assume that any of the human and livestock population which survived the fire were evacuated.

- F. Fallout. Estimate, for use in this exercise only, the effects of fallout on the population and selected resources as follows.

1. Human, Livestock and Poultry Population.

- a. Estimate the preattack distribution of the human, livestock and poultry population in your county for each of the contour areas shown on the attached fallout map.

- b. Further subdivide each contour estimate by each of the three types of protection shown in the first column of the Fallout Table on page 9.
 - c. Adjust these preattack estimates by multiplying them by the corresponding percentages surviving on D+14 for each contour interval as shown on the Fallout Table.
 - d. Summarize the product of this multiplication for D+14 and report the total as surviving human, livestock and poultry population.
2. Facility Operations. See denial time in days at contour intervals as listed on the legend on the reverse side of the attached map.
 3. Outside Work. Since the average outside worker is sheltered a substantial part of each day, it can be assumed that outside work on a full-time basis would be permissible within the 100 r/hr contour by D+14 and on a part-time basis in the 300 r/hr contour on D+14.

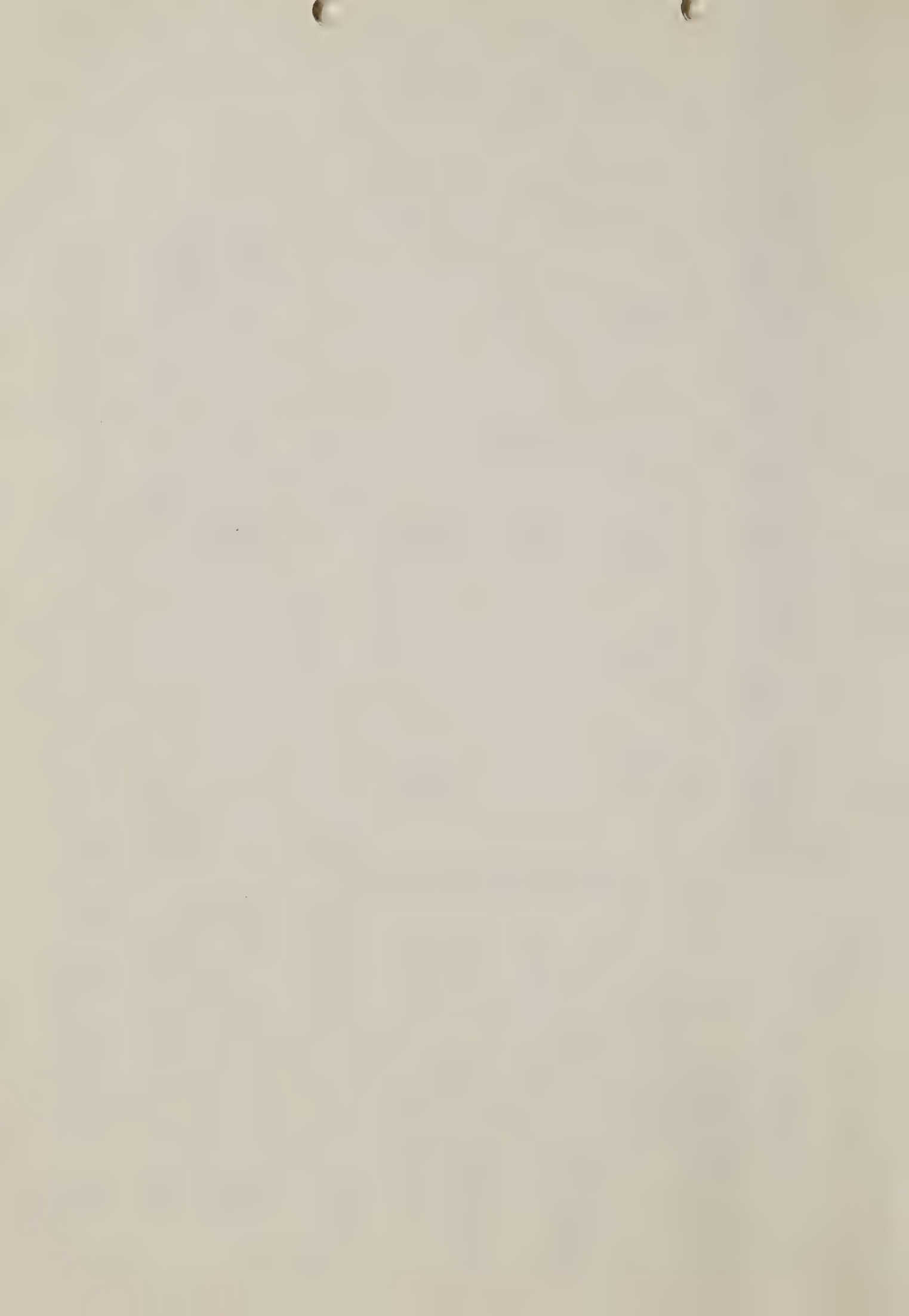
Attachments - Fallout Table

Map showing assumed nuclear detonations and fallout patterns
Blank forms for County Board use

F A L L O U T T A B L E

Kind of Population and Type of Protection	H+1 Radiation Intensity Contour Areas $\frac{1}{2}$				
	100 to 299 r/hr	300 to 999 r/hr	1000 to 2999 r/hr	3000 or more r/hr	
	% Surviving D+l4	% Surviving D+l4	% Surviving D+l4	% Surviving D+l4	% Surviving D+l4
<u>Human Population:</u> Protection: None Below Average (2.5 PF) $\frac{2}{2}$ Average (5 PF) Community (40 PF)	100	0	0	0	0
	100	25	0	0	0
	100	85	0	0	0
	100	100	100	55	55
<u>Livestock Population:</u> Protection: None Average (2.5 PF) $\frac{3}{3}$ Above Average (5 PF)	75	0	0	0	0
	100	20	0	0	0
	100	80	0	0	0
<u>Poultry Population:</u> Protection: None Average (2.5 PF) $\frac{3}{3}$ Above Average (5 PF) $\frac{3}{3}$	85	0	0	0	0
	100	65	0	0	0
	100	90	0	0	0

- 1/ All data are based on a 96 hour whole body exposure dose.
- 2/ Protection factor is a measure of the effectiveness of shielding against radiation. (See Radiological Defense Textbook SM 11.22-2, Chapter 10, Paragraphs 10.17 - 10.21) A house with a 2.5 PF would be a small one- or two-story frame structure with a partially exposed basement. Inside the radiation would be 1/2.5 of the outside radiation. A 5 PF basement would have heavy walls with no exposed windows and would lie beneath a two-story masonry structure. Radiation inside the basement would be 1/5 of the outside radiation.
- 3/ A 2.5 PF barn would be a tight wooden structure with about 25 feet of settled hay in the loft. A 5 PF barn could be a basement barn or a two-story structure with the livestock area surrounded by masonry walls which have no windows.



Surviving Population _____

DETAILED COUNTY FOOD SITUATION REPORT

State _____

Current Week Ending D+14 _____

County _____

(All data are in pounds of food supply.)

Food Status by Time Periods (1)	Food Supply Available in County (Net Pounds) (2)
A. <u>Current Week by Food Groups:</u> 1. Meat and meat alternates 2. Eggs (all types) 3. Milk (fluid whole) and dairy products 4. Cereal and cereal products 5. Fruits and vegetables 6. Food fats and oils 7. Potatoes (white and sweet) 8. Sugar, syrups, honey and other sweets 9. Miscellaneous (Describe each item) <u>Total Pounds</u>	
B. <u>4th Succeeding Week - Percent Change</u>	
C. <u>8th Succeeding Week - Percent Change</u>	
D. <u>12th Succeeding Week - Percent Change</u>	

Surviving Population _____

COUNTY FOOD SITUATION WORKSHEET FOR CURRENT WEEK ENDING D-14

County _____ State _____

(All data, except percentage of change on the last three lines, are in net pounds of ready-to-eat food.)

Food Status by Time Periods	(1)	Weekly Consumption Standard Allowance	(2)	Inventory Beginning of Report Week	(3)	Weekly Processing Capability	(4)	Average Weekly Farm Deliveries	(5)	Food Supply Available In County	(6)	Estimated In-shipments	(7)*	Estimated Out-shipments	(8)*	Supply Available For County Use	(9)*	Food Required For Surviving Population	(10)*	County Food Surplus or Deficit	(11)*
A. Current Week by Food Groups:																					
1. Meat and meat alternates		3.00 lbs.																			
2. Eggs (all types)		0.75 lbs.																			
3. Milk (fluid whole) and dairy products		7.53 lbs.																			
4. Cereal and cereal products		4.00 lbs.																			
5. Fruits and vegetables		4.00 lbs.																			
6. Food fats and oils		0.50 lbs.																			
7. Potatoes (white and sweet)		2.00 lbs.																			
8. Sugar, syrups, honey and other sweets		0.50 lbs.																			
9. Miscellaneous (Describe each item)																					
Total Pounds		22.28 lbs.																			
B. 4th Succeeding Week - Percent Change																					
C. 8th Succeeding Week - Percent Change																					
D. 12th Succeeding Week - Percent Change																					

* To be used only in instances where data and time permit.

STATE WORKSHEET FOR DETAILED COUNTY FOOD SITUATION

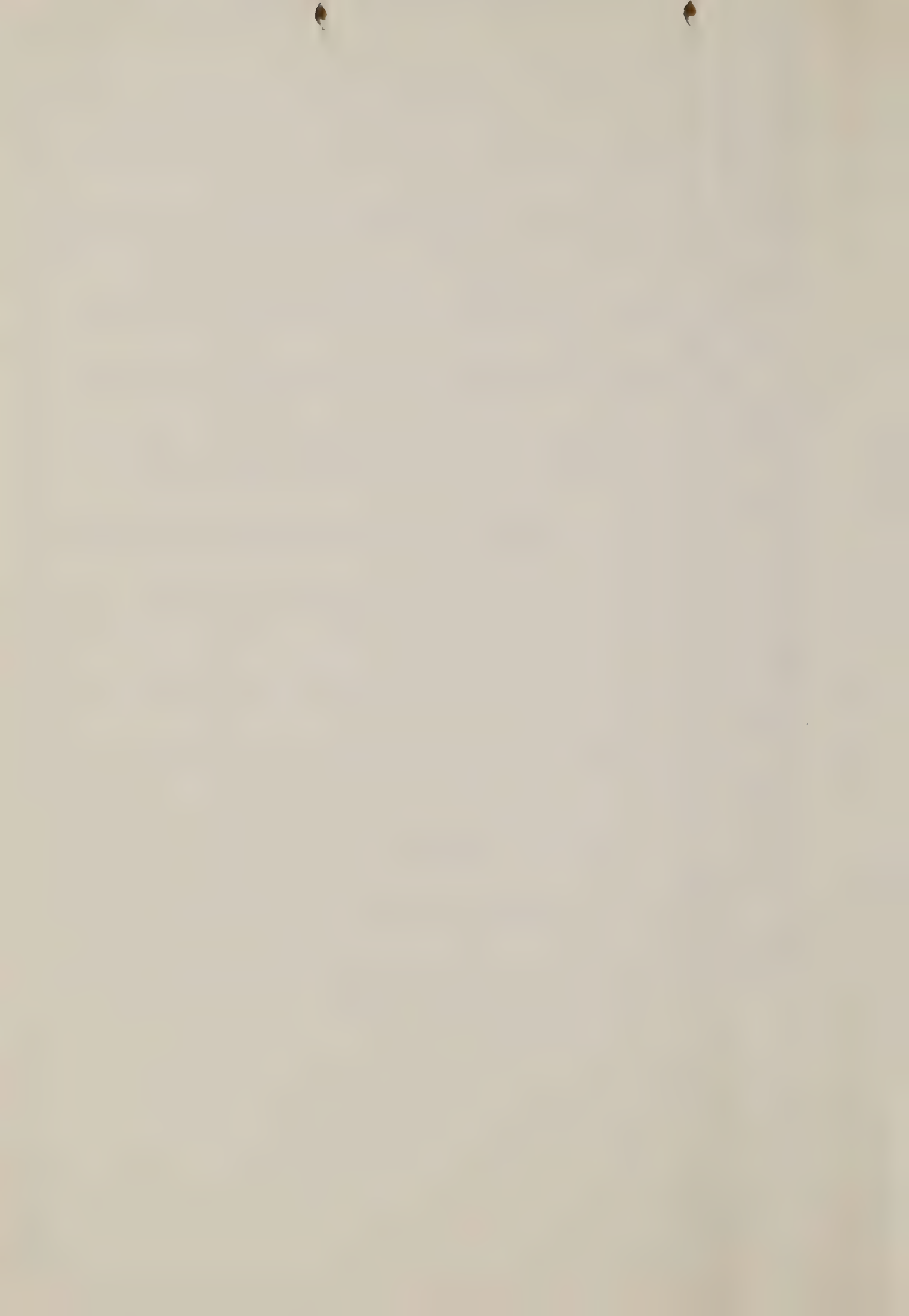
State of _____

For Current Week Ending D+21

(All data, except number surviving population are in man-day units of food.)

County and ASCS Code	Surviving Population	Food Supply Available in County								Projected Future Supplies			
		Food Group 1	Food Group 2	Food Group 3	Food Group 4	Food Group 5	Food Group 6	Food Group 7	Food Group 8	Total All Groups	4th Succeed- ing Week	8th Succeed- ing Week	12th Succeed- ing Week
	(1)	.550* (2)	.299* (3)	.136* (4)	.695* (5)	.096* (6)	1.536* (7)	.131* (8)	.754* (9)	(10)	(11)	(12)	(13)

* Conversion factors to be multiplied by total pounds of food reported in each food group to convert it to 2200 calorie equivalent Man-Day Units of food supply.



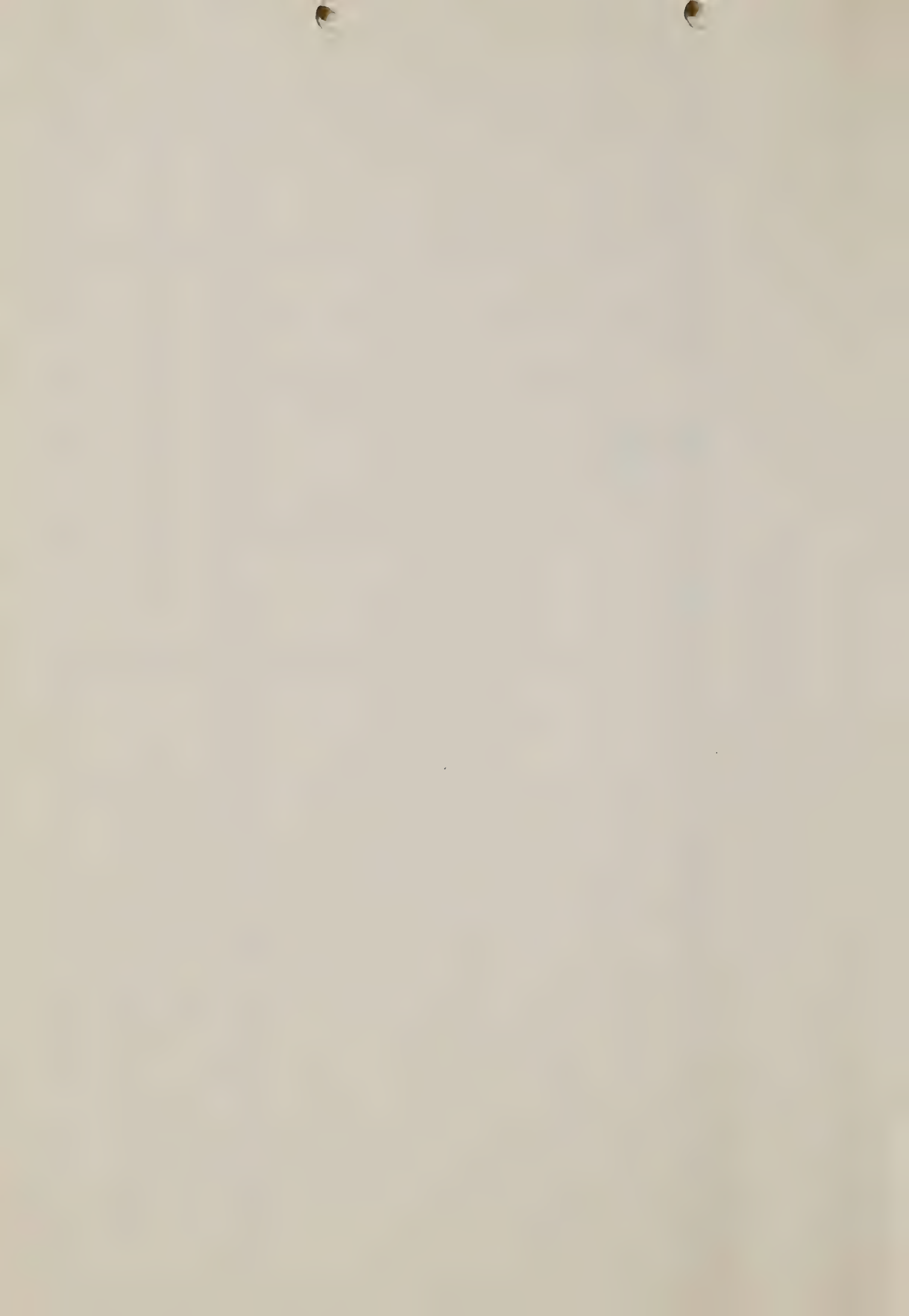
State of _____

STATE FOOD SITUATION REPORT

For Current Week Ending D+21

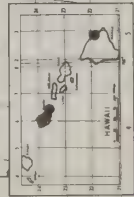
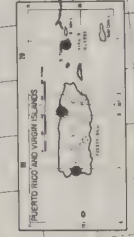
(All data, except number surviving population, are in man-day units of food)

Food Status by Time Periods	(1)	(2) Surviving Population	(3) Total Food Supplies	(4) Estimated State Inshipments	(5) Estimated State Outshipments (including Military)	(6) Supply Available For State Use	(7) Food Required For Surviving Population	(8) State Food Surplus or Deficit
A. <u>Current Week by Food Groups</u>								
Food Group 1		XX						
" " 2		XX						
" " 3		XX						
" " 4		XX						
" " 5		XX						
" " 6		XX						
" " 7		XX						
" " 8		XX						
" " 9		XX						
Total MDU's								
B. <u>4th Succeeding Week - Total MDU's</u>								
C. <u>8th Succeeding Week - Total MDU's</u>								
D. <u>12th Succeeding Week - Total MDU's</u>								



FOOD FACILITY LISTING WORKSHEET D+14						FOOD FACILITY LISTING WORKSHEET D+14					
PRE- ATTACK TOTAL CAP L	POSTATTACK CAPABILITY					PRE- ATTACK TOTAL CAP L	POSTATTACK CAPABILITY				
	INVEN- TORY M	CAPACITY					INVEN- TORY M	CAPACITY			
		%	TOTAL REMAIN P					%	TOTAL REMAIN P		
		PRE- ATTACK N						Q			

Note: Reproduce locally any additional copies of this format required.



Fallout Radiation Intensity & Denial

For Continental United States

	INTENSITY AT CONTOUR (ROENTGENS)			
TIME AFTER DETONATION				
1 HOUR*	100	300	1000	3000
1 DAY	2.2	6.6	22	66
1 WEEK	.2	.7	2.2	6.6
1 MONTH		.1	.3	1.1
4 MONTHS			.1	.2

	DENIAL AT CONTOUR (DAYS)***				
AVERAGE PROTECTION FACTOR**	5	3	7	20	50
2.5	5	13	35	90	

* Regardless of arrival time

**Ratio of outside dose received

***When access may be had without decontamination by persons not already disabled by radiation



GROUND BURST



AIR BURST

* Regardless of arrival time

** Ratio of outside dose received

*** When access may be had without decontamination
by persons not already disabled by radiation

◆ GROUND BURST

● AIR BURST



DEPARTMENT OF AGRICULTURE
OFFICE OF THE SECRETARY
WASHINGTON, D. C. 20250

September 16, 1969

USDA STATE DEFENSE POLICY MEMORANDUM NO. 49, SUPPLEMENT 8

Communications Exercise

PURPOSE

A communications exercise for USDA State and County Defense Boards will be held during the quarter beginning October 1, 1969. Although emergency communications capability will be examined and tested in this exercise, relocation of personnel will not be required. More specifically this exercise is designed to:

- A. Test office-hour alerting procedures for State and County Boards.
- B. Review emergency communications capability at county and State levels. This will include an evaluation of the available facilities as well as staffing and training of personnel.
- C. Recommend means of improving emergency communications capability.

BACKGROUND

Although State and County Boards are authorized to function independently in an emergency cutoff situation, the defense effort would be increasingly handicapped without adequate communications capability between all levels.

In addition to mail and regular commercial telephone and teletype service, each State Board has communications facilities which are a part of the National Communications System. These include (1) voice transmission, Federal Telecommunications System, commonly known as FTS, and (2) rapid written transmission or teletype referred to as Advanced Records System (ARS). These teletypewriters are installed and kept operational at State ASCS Offices and Emergency State Offices (ESOs). Also at the ESO a radio receiver is provided.

SDH Par. 434 encourages each State Board to arrange with USDA agencies, agencies of the State Government and amateur radio operators to share their communications facilities. Procedures are included for securing essential telephone service for the office and residential telephones of Board members. (With such service, the Board members are never denied a dial tone, thus permitting them to make calls as well as receive them.)

As a training medium which might have emergency utility, some States are experimenting with special telephone and FM radio networks arranged by the Cooperative Extension Service. It should be noted that State and County Boards are prohibited from procuring and operating radio transmitters requiring an assigned radio frequency because of scarcity of frequencies and the cost of procuring and servicing transmitters.

Personnel to prepare, control and send emergency communications must be designated and trained in the preemergency period as indicated in SDH Par. 434.

ACTION

Each State Board has the following responsibilities in connection with this exercise.

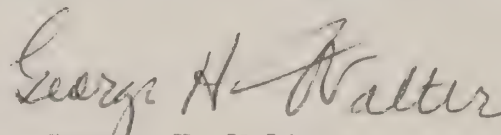
- A. Distribute three (3) copies of the county exercise instructions and report form to each County Board. (Each State Board will receive under separate cover from USDA national headquarters enough copies for this distribution.)
- B. Implement the instructions in a teletype alerting message to be received at the regular State ASCS Office sometime during October 1969. (The Alaska, Hawaii and Puerto Rico-Virgin Islands Defense Board Chairmen will receive a separate alerting message sometime during October.)
 1. Contact other State Board members as soon as possible after receipt of the alerting message (see SDH Par. 418 and Exhibit 4B). If a Board member is unavailable, contact his designated successor. If neither the member nor his successor is available, discontinue attempts at the end of the three hours allowed for this phase of the exercise.
 2. Keep a record of:
 - a. Length of time required to contact all Board members or successors if less than three hours from the time alerting message was received.
 - b. Any agency where neither the member nor his successor was contacted within three hours.
 - c. Any agency where the member or his successor was contacted but could not have assembled with the Board immediately if this were an actual emergency. (Board members or successors are not expected to assemble as a Board as a result of this alert.)
 - d. Communications media used.

- e. Any problems encountered with equipment or in contacting personnel.
3. Provide the person who normally sends test messages over the ARS teletype equipment at the ESO with a report showing the time required to alert State Board members or successors and any agencies whose representatives could not be contacted within three hours. Have the teletypist report the information over the ARS teletype from the ESO to the USDA National Relocation Site (Repoint) on Tuesday, November 18, 1969. (The Alaska, Hawaii and Puerto Rico-Virgin Islands Defense Boards will follow separate instructions in reporting.)
- C. Alert all the offices of County Board Chairmen at the same time the State Board members are alerted and record the length of time required to reach all these offices. Request County Board Chairmen to alert immediately all Board members or, in the absence of a Board member, his designated successor according to the attached "Instructions for the Use of USDA County Defense Boards".
- D. Obtain by December 5, 1969, the exercise forms completed by County Boards. (Form entitled "USDA County Defense Board Emergency Communications Capability".)
- E. Schedule a regular State Board meeting during December 1969 to:
- 1. Analyze information shown on exercise forms returned by the County Boards.
 - 2. Record:
 - a. The results of the alerting phase of the exercise.
 - b. The State level communications situation.
 - c. Ideas for further improvement on the attached report form entitled "USDA State Defense Board Emergency Communications Capability".
- Prepare this report form in duplicate. In completing this form, consider the returns from the County Boards and give particular attention to the adequacy of communications between State and County Boards. Any steps which require further action at the national level should be clearly identified.
- F. Mail one copy of the completed form, "USDA State Defense Board Emergency Communications Capability", to USDA national headquarters with the quarterly report due January 10, 1970. Keep a copy for the Board files.

G. Provide guidance to the County Boards for upgrading their communications capability. Follow through on steps needed to improve USDA communications capability at the State level.

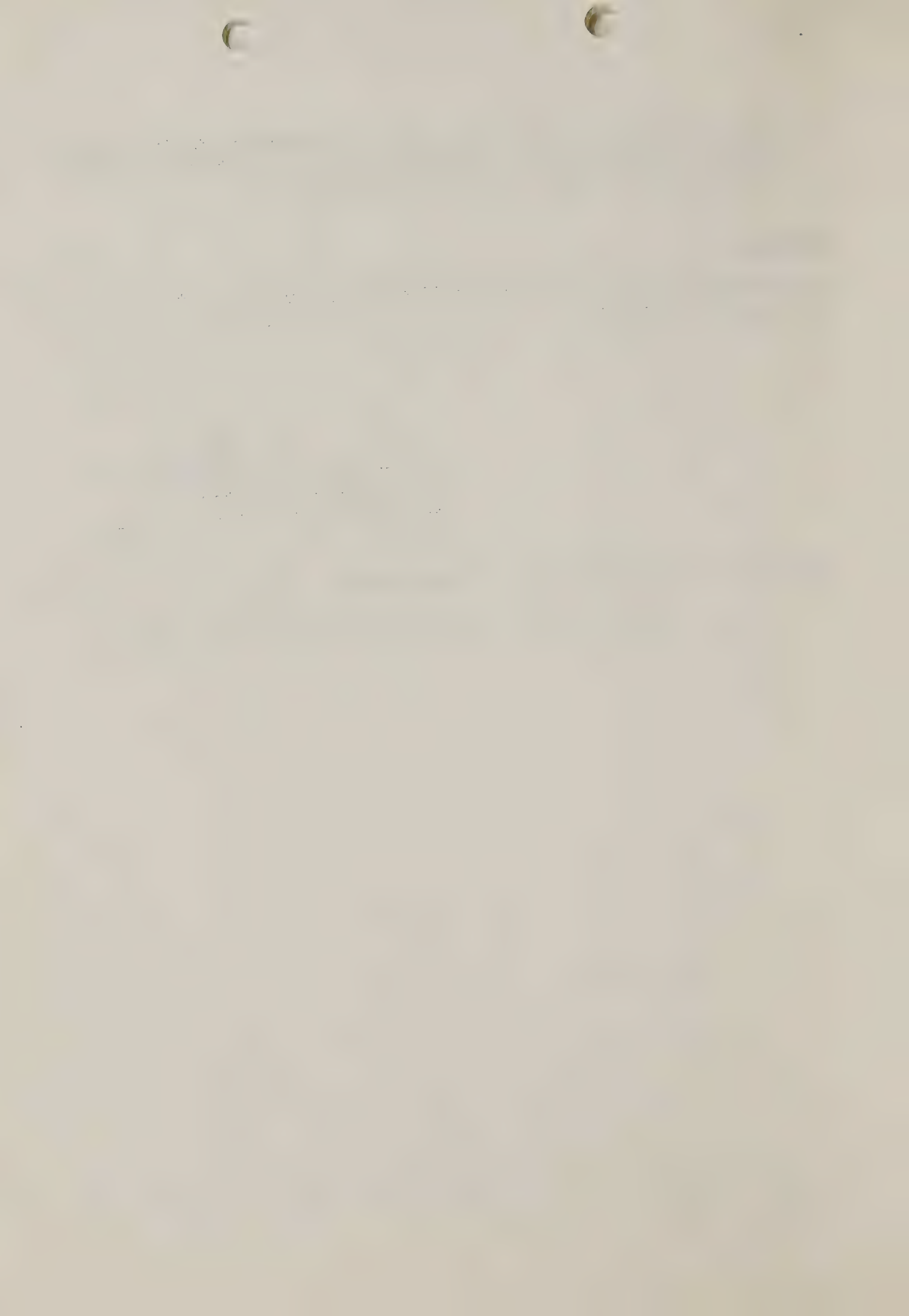
DISPOSAL

This memorandum may be discarded following preparation of the January 10, 1970, quarterly report.



George H. Walter
Acting Assistant to the Secretary

Attachments - USDA State Defense Board Emergency Communications Capability
Instructions for Use of USDA County Defense Boards



USDA STATE DEFENSE BOARD EMERGENCY COMMUNICATIONS CAPABILITY

1. Results of the alerting phase of the communications exercise at the State level.
 - a. Indicate length of time (within the three hour limit) required to alert Board members or their designated successors.
Time _____
 - b. List any agency where neither the member nor his successor could be reached within the three hour period after the alerting message was received.

 - c. Specify communications media used.
 - d. List any agency where the member or his successor contacted could not have participated in Board activity if this were an emergency.

 - e. Identify any other problems encountered in alerting State Board members.
2. Results of alerting offices of County Board Chairmen.
 - a. Indicate length of time required by the State Board to alert all offices of County Board Chairmen.

 - b. Specify communications media used in alerting offices of County Board Chairmen.

 - c. List media you would have used to alert County Board Chairmen if the alert had come during non-office hours.

3. Indicate below emergency communications available for USDA State Defense Board use in addition to mail and commercial or GSA-provided telephone service (SDH Pars. 434D and 435) and indicate the range of contact that can be made with these communications.

If "yes" for any Category,
Specify Exact Communications
Medium and Use that Can Be
Made of It: (e.g., within
State, adjacent States, State
to national, etc.)

Check Communications Available
in the Following Categories: No Yes

a. Radio Transmission, e.g.

- (1). Commercial (radio stations) □ □
- (2). Federal Government - Civil (US Park Service, US Forest Service, US Civil Aeronautics Authority, Coast Guard, US Weather Bureau, Civil Defense) □ □
- (3). Federal Government - Military (US Army, Navy or Air Force posts, camps or stations) □ □
- (4). State Government (State Police, State Highway Department, National Guard, Civil Defense) □ □
- (5). Amateur (Radio Amateur Civil Emergency System "RACES") □ □
- (6). Other (Identify)

1. The first part of the document is a list of names and addresses of the members of the committee.

2. The second part of the document is a list of names and addresses of the members of the committee.

3. The third part of the document is a list of names and addresses of the members of the committee.

4. The fourth part of the document is a list of names and addresses of the members of the committee.

5. The fifth part of the document is a list of names and addresses of the members of the committee.

6. The sixth part of the document is a list of names and addresses of the members of the committee.

Check Communications Available
in the Following Categories: No Yes

If "yes" for any Category,
Specify Exact Communications
Medium and Use that Can Be
Made of It: (e.g., within
 State, adjacent States, State
 to national, etc.)

b. Teletypewriters, e.g.

- (1). Western Union commercial telegraph ☐ ☐
- (2). ARS Teletype ☐ ☐
- (3). TWX ☐ ☐
- (4). US Military (Army, Navy or Air Force telegraph offices at posts, camps or stations) ☐ ☐
- (5). Other (Identify)

4. Do the communications categories available as indicated by "yes" in "3" above provide adequate emergency communications capability:

- a. Within the State? yes ☐ no ☐
- b. Between the State and other States? yes ☐ no ☐
- c. Between the State and national headquarters? yes ☐ no ☐

5. Taking into account communications gaps revealed by "3" and "4" above, list other types of communications which the State Board should attempt to obtain the use of. Indicate by an "X" which of these media are likely to be available without cost to USDA.

	<u>No cost</u>	<u>Specify Exact Communications</u>
	<u>to USDA</u>	<u>Medium and Use that Could Be</u>
<u>Indicate Types of Communications</u>		<u>Made of It:</u>

6. a. Have the office and residential telephones of each State Board member been placed on the essential service list of the telephone company? yes ☐ no ☐
- b. If "no", indicate any remaining problems in obtaining essential line service for Board members which cannot be resolved locally or at the State level. (SDH Par. 434D 4)
7. a. Have personnel been designated to assist the State Board in processing and controlling emergency messages? (SDH Par. 433) yes ☐ no ☐
- b. Are these personnel prepared to carry out duties outlined in SDH Par. 434A, B and C? yes ☐ no ☐
- c. If "no" for "a" and/or "b" above, indicate what action is being taken to remedy any deficiencies.
8. On the basis of county reports, indicate the number and percentage of County Boards:
- a. Where all members or successors were alerted during the two hour period after receipt of the alerting message. No. ☐ Pct. ☐
- b. Where failure to contact members within the two hour period after the receipt of the alerting message would have impaired the ability of the Board to function. No. ☐ Pct. ☐
- c. Where inability of alerted members or successors to participate in Board activity would have impaired the ability of the Board to function. No. ☐ Pct. ☐

9. a. Indicate additional communications media which County Boards would like to be able to use.
- b. Will communications media identified in "9a" above meet County Board needs? yes ☐ no ☐
10. a. Number and percent of County Boards which have arrangements for processing and controlling emergency messages? No. ☐ Pct. ☐
- b. What actions are being taken by the State Board where County Boards lack such arrangements?
11. Indicate any problems relating to communications requiring help from the national level.

1. The first part of the document is a list of names and addresses. The names are written in a cursive script, and the addresses are written in a more formal, printed style. The list is organized into two columns, with names on the left and addresses on the right.

2. The second part of the document is a list of names and addresses, similar to the first part. The names are written in a cursive script, and the addresses are written in a more formal, printed style. The list is organized into two columns, with names on the left and addresses on the right.

3. The third part of the document is a list of names and addresses, similar to the first two parts. The names are written in a cursive script, and the addresses are written in a more formal, printed style. The list is organized into two columns, with names on the left and addresses on the right.

4. The fourth part of the document is a list of names and addresses, similar to the first three parts. The names are written in a cursive script, and the addresses are written in a more formal, printed style. The list is organized into two columns, with names on the left and addresses on the right.

Communications Exercise
Instructions for the Use of USDA County Defense Boards

PURPOSE

A communications exercise for USDA State and County Defense Boards will be held during the quarter beginning October 1, 1969. This will not require relocation of personnel, however. More specifically, this exercise is designed to:

- A. Test office-hour alerting procedures for County Boards.
- B. Indicate available emergency communications facilities.
- C. Strengthen emergency communications capability.

BACKGROUND

Adequate communications are vital to the success of emergency operations. CDH Par. 328 indicates that USDA County Defense Boards will use mail and commercial communications facilities in an emergency. Some counties have FTS facilities for long distance calls. Each County Board should, in accordance with CDH Par. 328, attempt to arrange to share the use of emergency communications facilities of local government (e.g., police and Civil Defense radio and teletype), local representatives of Federal agencies (including military teletype), local representatives of State agencies and members of the Radio Amateur Civil Emergency System (RACES).

CDH Par. 328 also provides for placing office and residential telephones on essential service lists without cost to the Federal Government. This action permits outgoing calls to be made in event of a major disaster or defense emergency and according to the recent Readiness Checksheet, most County Boards have been able to make this arrangement.

ACTION

Each County Board has the following responsibilities in connection with this exercise.

- A. After receiving notice from the State Board Chairman sometime during October 1969, alert all County Board members by the fastest means possible (see CDH Par. 315 and Exhibit 3A) and keep a record of the following:

1. The first part of the paper discusses the importance of the study and the objectives of the research.

2. The second part of the paper describes the methodology used in the study and the data collection process.

3. The third part of the paper presents the results of the study and discusses the findings in detail.

4. The fourth part of the paper concludes the study and provides recommendations for future research.

5. The fifth part of the paper is a summary of the study and its contributions to the field.

1. Length of time required to contact all County Board members or designated successors if less than two hours from the time the office of the County Board Chairman received the alerting message.
 2. Any agency where members or successors were not contacted within the two hours allowed for this phase of the exercise.
 3. Whether those contacted could have assembled immediately with the Board if this were an actual emergency.
- B. Complete two copies of the attached report form in a regular Defense Board meeting held during October or November 1969. (Civil Defense and others concerned with communications should be invited to participate.)
1. Record results of alerting phase of the exercise.
 2. Record existing communications arrangements.
 3. Indicate ideas for improvement.
- C. Submit one copy of the completed report form to the State Board to arrive by December 1, 1969. Keep one copy in the Board files.

Attachment

USDA COUNTY DEFENSE BOARD EMERGENCY COMMUNICATIONS CAPABILITY

1. Results of the County Board alerting phase of the communications exercise.
 - a. Indicate length of time (within the two hour limit) required to alert Board members or their designated successors.
Time _____
 - b. List any agency where neither the member nor his successor could be reached within the two hour period after the alerting message was received.

 - c. Method of alerting (indicate).

 - d. List any agency where the member or successor contacted could not have participated in Board activity if this were an actual emergency.

 - e. Identify any other problems encountered in alerting Board members.

2. List present communications media available except mail and commercial or GSA-provided telephone service (CDH Par. 328C 2 through 6) and indicate how each medium listed will be used to communicate within the county, with adjacent counties or with the State Board.

Available Communications Media

How They Would Be Used

3. Would communications media identified under "2" above provide adequate capability?
yes ☐ no ☐

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

PHYSICS 309

LECTURE 1

1.1. Introduction

1.2. The Hamiltonian

1.3. The Schrödinger Equation

1.4. The Wave Function

1.5. The Probability Density

1.6. The Expectation Value

1.7. The Uncertainty Principle

1.8. The Harmonic Oscillator

1.9. The Hydrogen Atom

1.10. The Spin of the Electron

4. List additional communications media which the County Board should attempt to obtain the use of. Indicate by an "X" which of these media are likely to be available without cost to USDA. Also indicate how each of these could be used to communicate within the county, with adjacent counties or with the State Board.

Additional Communications Media	No Cost To USDA	How They Could Be Used

5. a. Have the office and residential telephones of each County Board member been placed on the essential service list of the telephone company? yes ☐ no ☐
- b. If "no", indicate any remaining problems in obtaining essential line service for Board members which cannot be solved locally.
(CDH Par. 328C 5)
6. a. Have arrangements been made for processing and controlling emergency messages? (CDH Par. 328B 2 and 328C 1) yes ☐ no ☐
- b. If "no", what steps will be taken to make such arrangements.



DEPARTMENT OF AGRICULTURE
WASHINGTON, D.C. 20250

October 17 1966

USDA STATE DEFENSE POLICY MEMORANDUM NO. 50

Attendance at USDA State and County Defense Board Meetings

PURPOSE

Readiness to cope with any emergency is increasingly important in these difficult times. We rely on USDA State and County Defense Boards to mobilize the defense capability of USDA in the field. If the boards are to be effective, it is vital that board members regularly attend board meetings and participate in other board activities.

PROBLEM

A study of minutes of USDA State Defense Board meetings indicates that while some board members almost always attend, some others almost always do not attend. They usually, but not always, send substitutes. Special reports from some States indicate that this problem also exists with many county boards. The problem of board attendance is more acute in some States and counties than in others and affects some agencies more than others.

POLICY

The USDA State Defense Operations Handbook says in part:

"Each USDA agency with regular membership on the USDA State Defense Board will be represented at every board meeting (SDH Par. 345) . . .

Alternates to agency representatives will not be named, but whenever an agency representative finds it impossible to attend a meeting or other board activities, he will arrange for another qualified official of his agency in the State to represent him until he is again available (SDH Par. 306) . . .

This same principle will also apply at the county level (SDH Par. 345) . . .

Some defense board members worry about the interference of defense activities with other regular assignments. On this point, Secretary Freeman has said, "In USDA our defense responsibilities are a definite part of all current programs with equal priority with the programs themselves."

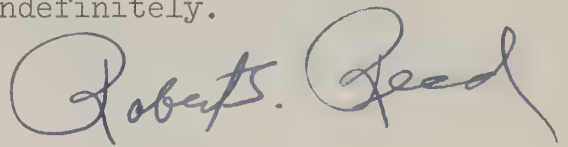
ACTION

It is requested that USDA State Defense Board Chairmen review the content of this memorandum with all State Defense Board members. If any do not regularly attend meetings and other board activities, they should be urged to do so citing the USDA policy. All members should be requested to make sure that their agency representatives at the county level regularly attend USDA County Defense Board meetings and participate in other board activities.

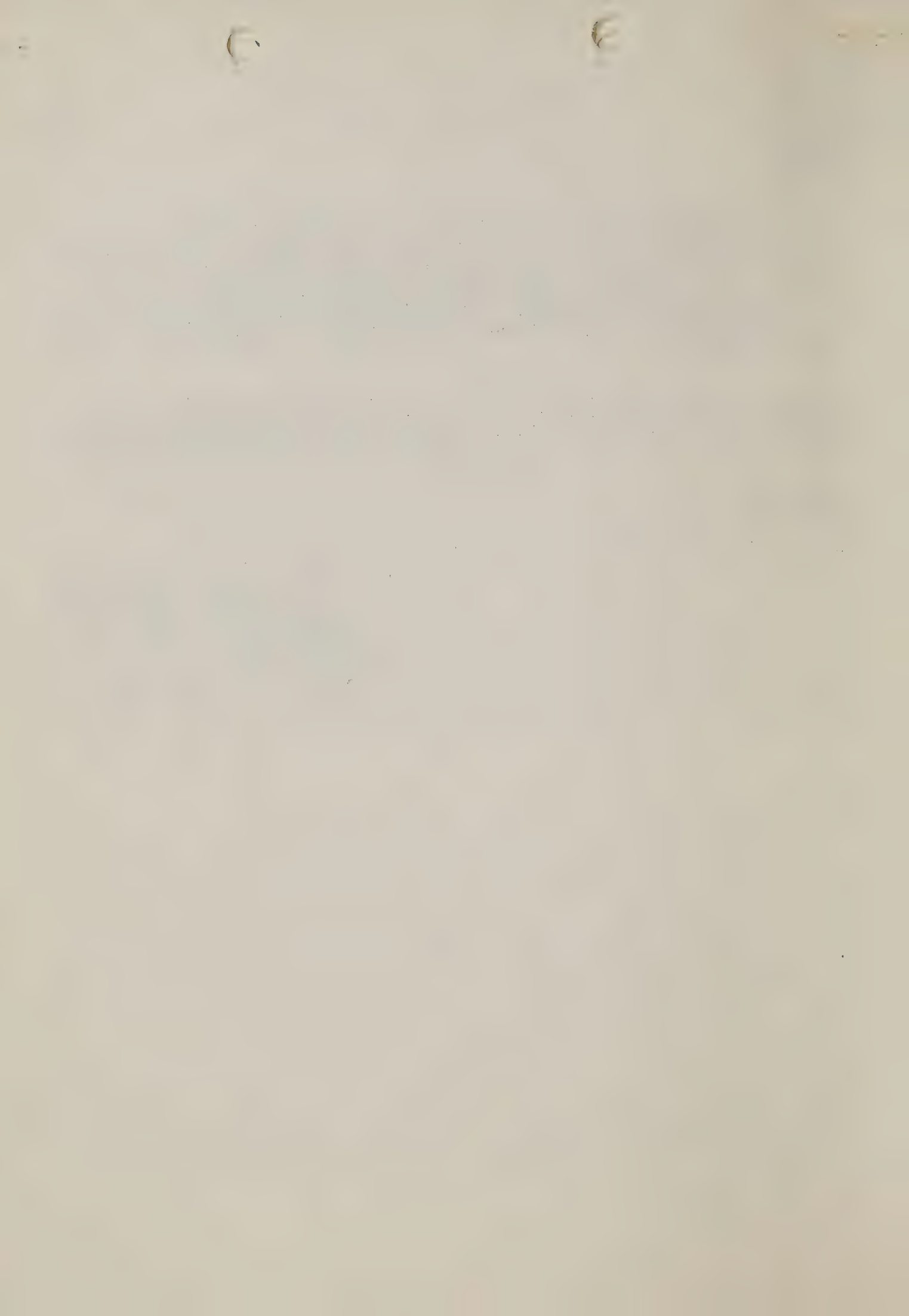
To help in this respect, the Secretary is calling the attention of USDA agency heads to the necessity of maintaining vital and active defense boards, which in turn necessitates regular participation by defense board members.

RETENTION

This policy memorandum should be retained indefinitely.

A handwritten signature in dark ink, appearing to read "Robert S. Reed". The signature is fluid and cursive, with the first name "Robert" and last name "Reed" clearly distinguishable.

Robert S. Reed
Assistant to the Secretary





DEPARTMENT OF AGRICULTURE

WASHINGTON, D.C. 20250

December 22 1966

USDA STATE DEFENSE POLICY MEMORANDUM NO. 51

Supplement on Attack Analysis

PURPOSE

We are sending under separate cover sufficient copies of the new Supplement on Attack Analysis to provide for the distribution in Item 1 below. This Supplement is issued now on an interim basis subject to further refinements.

These instructions supplement the USDA State Defense Operations Handbook with respect to responsibilities and techniques for determining the nature and scope of blast, fire, and other hazards resulting from an attack on the United States. Results of this attack analysis would be available to USDA agency representatives in estimating the status of remaining resources. However, this Supplement does not include procedures for estimating the remaining resources.

ACTION

1. Distribute this Supplement at the State level as follows:
 - a. In accordance with Paragraph A of State Defense Policy Memorandum No. 8, include two copies with the State Board emergency records. Filing Code: SS 2-2 (Cross reference to RN 4)
 - b. One copy to each person designated to assist with the attack analysis function. (See Item 2 below where such designations have not been made.)
 - c. Retain a small reserve with the duplicate Board records in the ASCS State Office.
 - d. Request additional copies if needed to provide for the distribution in b and c.
2. Have the Board designate personnel who will carry out the attack analysis function if this has not been done. (Par. 201 of the Supplement.) Provide each designee with a copy of the Supplement in accordance with 1 b above.
3. Review the Supplement and be prepared to operate an attack analysis program in event of an emergency.

1. The first part of the document is a list of the names of the persons who have been appointed to the various positions of the Board of Directors of the Corporation.

2. The second part of the document is a list of the names of the persons who have been appointed to the various positions of the Board of Directors of the Corporation.

3. The third part of the document is a list of the names of the persons who have been appointed to the various positions of the Board of Directors of the Corporation.

(The fourth part of the document is a list of the names of the persons who have been appointed to the various positions of the Board of Directors of the Corporation.)

4. The fifth part of the document is a list of the names of the persons who have been appointed to the various positions of the Board of Directors of the Corporation.

5. The sixth part of the document is a list of the names of the persons who have been appointed to the various positions of the Board of Directors of the Corporation.

6. The seventh part of the document is a list of the names of the persons who have been appointed to the various positions of the Board of Directors of the Corporation.

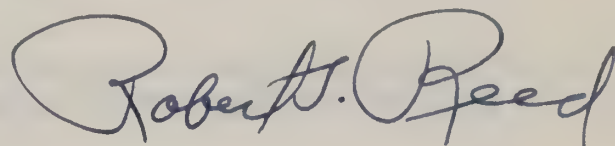
7. The eighth part of the document is a list of the names of the persons who have been appointed to the various positions of the Board of Directors of the Corporation.

8. The ninth part of the document is a list of the names of the persons who have been appointed to the various positions of the Board of Directors of the Corporation.

4. Submit suggestions for improving the Supplement to the appropriate ASCS Area Director (Attention: Disaster and Defense Services Staff) by May 1, 1967.
5. Use the Supplement if an attack should occur, whether or not it has been issued in final form.

RETENTION

This memorandum will be filed with the Attack Analysis Supplement in the Emergency Records until further notice.

A handwritten signature in dark ink, reading "Robert W. Reed". The signature is fluid and cursive, with a large initial "R" and "W".

Assistant to the Secretary

G

E

1. The first part of the document is a list of names and addresses of the members of the committee. The names are written in a cursive hand, and the addresses are written in a more formal, printed hand. The list is organized in two columns, with names on the left and addresses on the right. The names are: John A. Smith, James B. Jones, William C. Brown, and Thomas D. White. The addresses are: 123 Main Street, New York, N.Y.; 456 Elm Street, Boston, Mass.; 789 Oak Street, Philadelphia, Pa.; and 101 Pine Street, Washington, D.C.

2. The second part of the document is a letter from the committee to the President of the United States. The letter is dated January 1, 1900, and is addressed to the President at the White House. The letter is written in a cursive hand and is signed by the members of the committee. The letter is a request for the President to appoint a commission to investigate the conditions of the laboring classes in the United States. The letter states that the committee believes that the laboring classes are in a state of distress and that the President should take action to relieve their suffering. The letter also states that the committee believes that the President should appoint a commission to investigate the conditions of the laboring classes and to report to the President on the results of the investigation.

3. The third part of the document is a list of names and addresses of the members of the commission. The names are written in a cursive hand, and the addresses are written in a more formal, printed hand. The list is organized in two columns, with names on the left and addresses on the right. The names are: John A. Smith, James B. Jones, William C. Brown, and Thomas D. White. The addresses are: 123 Main Street, New York, N.Y.; 456 Elm Street, Boston, Mass.; 789 Oak Street, Philadelphia, Pa.; and 101 Pine Street, Washington, D.C.

4. The fourth part of the document is a letter from the commission to the President of the United States. The letter is dated January 1, 1900, and is addressed to the President at the White House. The letter is written in a cursive hand and is signed by the members of the commission. The letter is a report on the results of the investigation. The letter states that the commission has found that the laboring classes are in a state of distress and that the President should take action to relieve their suffering. The letter also states that the commission believes that the President should appoint a commission to investigate the conditions of the laboring classes and to report to the President on the results of the investigation.



DEPARTMENT OF AGRICULTURE
OFFICE OF THE SECRETARY
WASHINGTON

February 21 1967

USDA STATE DEFENSE BOARD POLICY MEMORANDUM NO. 52

Food Stockpiling and Food Contamination by Nuclear Fallout

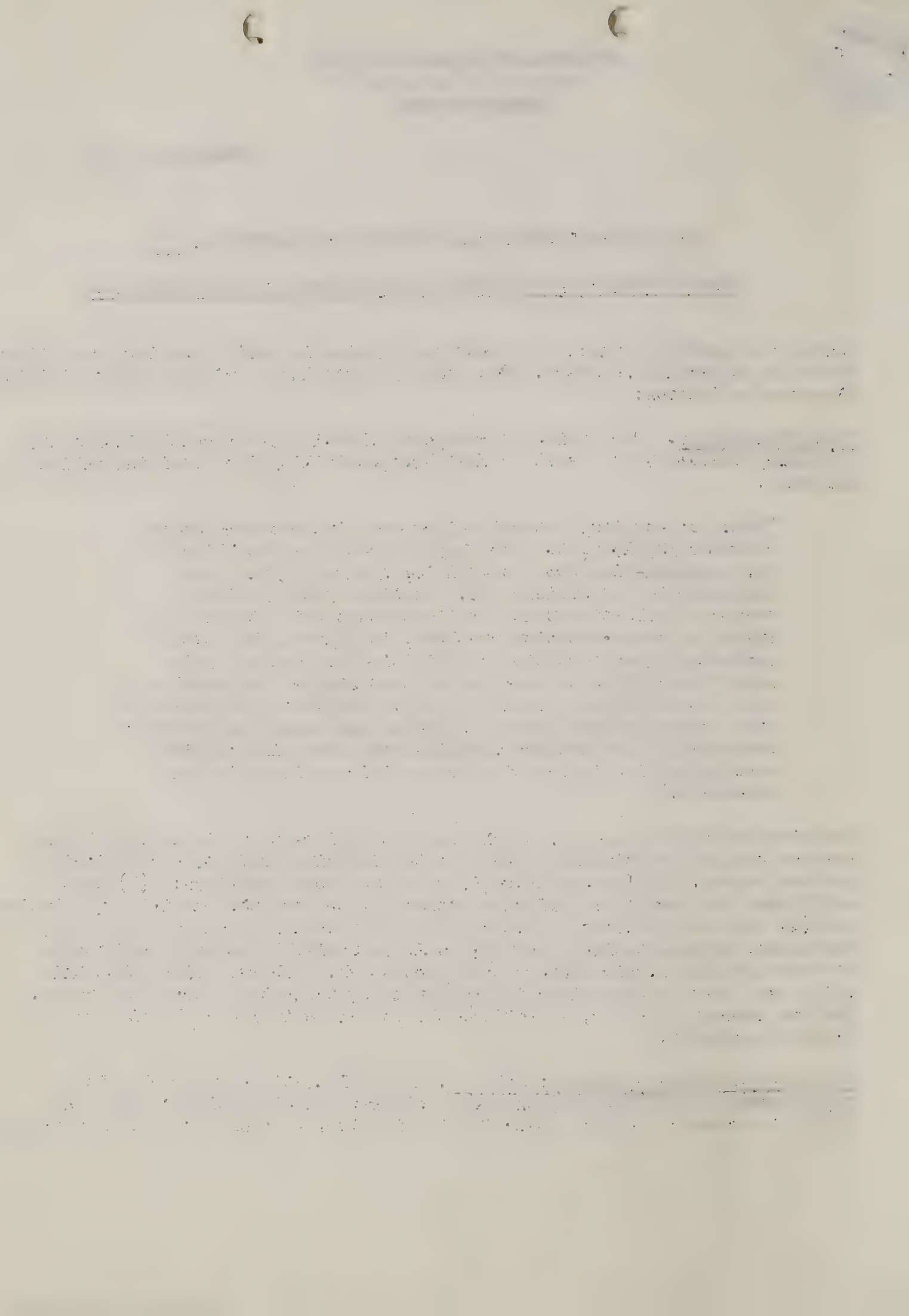
During the past year there have been two changes in basic planning assumptions of which you should be aware. Both affect agriculture and USDA responsibilities. They are as follows:

Food Stockpiling. The Office of Emergency Planning has recently issued the following statement as a part of their responsibility for providing policy guidance.

"Based on studies, determinations and circumstances as of December 30, 1966, the need has not yet been established for a nation-wide food stockpiling program against the contingencies of nuclear war. Studies by the National Resource Evaluation Center indicate that while there will likely be transportation problems, it appears that total postattack transportation capabilities and fuels supply would be adequate to move needed food stocks from surplus areas to anticipated deficit areas. Continued refinement of data by the National Resource Evaluation Center and further analyses by the resource agencies concerned will provide more definitive information for revising this policy as necessary."

We interpret this to mean that OEP does not believe there is an established need at the present time for a program to stockpile food for use following a nuclear attack. OEP's conclusion is based on two assumptions: (1) that sufficient food would be available nationally to feed the surviving population, and (2) that, while there may be areas where transportation is temporarily disrupted, transportation generally would be available to move food stocks to areas of need within a short time postattack. OEP recognizes that this policy may have to be revised if further study indicates a need for change. For the present, however, we believe the statement is a useful guide for planning purposes.

Food Contamination by Nuclear Fallout. Several meetings were held with representatives of OEP, CCD, the Food and Drug Administration of HEW, and others to discuss emergency planning implications recently drawn from research



into the effects of fallout contamination on food and water. A summary of the last meeting indicated general agreement on the following points:

- a. In the postattack period early deaths due to ingestion of food and water contaminated with radioactive substances are highly improbable. This hazard is so small that it will require little attention during the immediate survival period except for the radioiodine hazard to small children.
- b. Washing of fruits and vegetables, washing and milling of grain and simple filtration of water will remove most radioactive particles. If food and water are palatable and free of grit there is little hazard of ingesting significant quantities of radioactive material.
- c. Hungry or thirsty people or animals should not be denied food or water because of possible fallout contamination.
- d. Food should not be destroyed in the early postattack period solely on the basis of radioactive contamination.
- e. The consumption by children of water from open reservoirs and fresh milk from cattle grazing on contaminated pasture should be avoided, if possible, during the first few weeks postattack.
- f. It is not practicable to pre-set maximum permissible levels of gross fallout radioactivity as a basis for judging whether or not food or water should be used after an attack.
- g. Compared to the external gamma radiation hazard, the problem of fallout contaminated food and water is not very important.
- h. Ad hoc guidelines relating to acceptable radioactive concentrations could be developed postattack depending upon the situation then existing in specific geographic areas.
- i. As soon as possible after the survival period, programs to monitor and, if necessary, remove radioactive substances from other foods should be initiated.

For the Department of Agriculture, this means that USDA people with monitor training and instruments in the immediate postattack period should concentrate on monitoring needed to advise farmers and rural people on the actions they can safely take to continue production and processing of food needed for immediate and future use. Postattack, OCD and USDA together would advise people inquiring about edibility of food along the lines indicated above.



[The text in this section is extremely faint and illegible, appearing as a series of horizontal lines of noise.]

Should you or other members of the State Defense Board have questions relative to the above policy statements, send them to this office and we will try to get you appropriate answers.

A handwritten signature in dark ink, appearing to read 'Alec G. Olson'. The signature is fluid and cursive, with the first name 'Alec' being more prominent and the last name 'Olson' written in a more compact, connected style.

Alec G. Olson
Assistant to the Secretary





DEPARTMENT OF AGRICULTURE
WASHINGTON, D.C. 20250

February 28, 1967

USDA STATE DEFENSE POLICY MEMORANDUM NO. 53

USDA Field Readiness Test - Spring 1967

USDA State Defense Boards will conduct a relocation and communications test exercise sometime between April 3 and 7, 1967. Procedures are as follows:

- (1) On the day of the exercise, a wire will be sent by the Assistant to the Secretary or the Deputy Administrator, State and County Operations (DASCO), to all USDA State Defense Board Chairmen (except for Alaska, Hawaii and Puerto Rico-Virgin Islands) shortly after 9:00 a.m., their local time, requesting them to assemble their State Defense Boards at their Emergency State Office (ESO).
- (2) If a Board member is unavailable, the Chairman will give notice to the first designated successor, or if he is unavailable, to the second designated successor in accordance with SDH Par. 409. It is important to have all agencies represented at the ESO for the exercise.
- (3) If the Board Chairman is unavailable, his ASCS office staff will proceed anyway to notify Board members. The Deputy Chairman will be informed of the unavailability of the Chairman so that the Deputy will be prepared to serve as Acting Chairman. If the Deputy Chairman is unavailable, the Acting Chairmanship will go to the next in line to the Chairmanship in accordance with SDH Par. 408.
- (4) When all Board members have assembled at the ESO (or at the end of four hours, whichever is earlier), the Chairman will wire the following information to USDA Headquarters Relocation Site (Repoint):
 - (a) Time exercise wire was received.
 - (b) Time a majority of members reached ESO.
 - (c) Agencies represented by regular Board members.
 - (d) Agencies represented by designated successors.
 - (e) Agencies not represented and reason.
 - (f) Any communications problems encountered and suggested improvement.

1. The first part of the paper is devoted to the study of the

properties of the function $f(x)$ defined by the equation

$$f(x) = \int_0^x \frac{1}{1+t^2} dt$$

for $x \in \mathbb{R}$. It is shown that $f(x)$ is an odd function and that

the function $f(x)$ is strictly increasing on $\mathbb{R}$. Moreover, it is proved that

$$\lim_{x \rightarrow -\infty} f(x) = -\frac{\pi}{2} \quad \text{and} \quad \lim_{x \rightarrow \infty} f(x) = \frac{\pi}{2}.$$

2. In the second part of the paper, we consider the function

$$g(x) = \int_0^x \frac{t}{1+t^2} dt$$

for $x \in \mathbb{R}$. It is shown that $g(x)$ is an even function and that

the function $g(x)$ is strictly increasing on $\mathbb{R}$. Moreover, it is proved that

$\lim_{x \rightarrow -\infty} g(x) = -\frac{\pi}{4}$ and $\lim_{x \rightarrow \infty} g(x) = \frac{\pi}{4}$.

3. Finally, we consider the function

$h(x) = \int_0^x \frac{t^2}{1+t^2} dt$

for $x \in \mathbb{R}$. It is shown that $h(x)$ is an even function and that

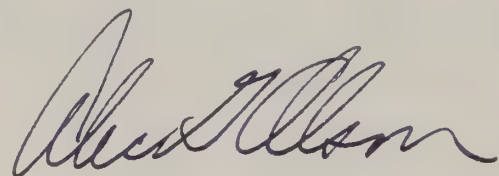
(5) The regular instructions for use of GSA "ARS" communications equipment will apply except as supplemented by this memorandum and the instructions in paragraphs 21 and 21.5 of the ASCS Communications Handbook (7-AS).

(6) Wires transmitted over the GSA "ARS" during test exercises or a national emergency should not contain geographic identifications in "To" and "From" lines. Instead use GSA "ARS" Routing Indicators (ARS Code) contained in USDA State Defense Board ER Memorandum No. 122, July 8, 1966, and in DASCOS memorandum of August 23, 1966. For example: Use "To: Dir/NW/RUEVDNM" rather than "To: Dir/NW/USDA Reprint"; and "Fm: Chm/RUCHMBL" rather than "Fm: Chm/ND/ESO".

(7) While the Board members are assembled at the ESO, a meeting of the Board should be held. The meeting should be used to consider having an exercise for County Defense Boards to test their capability for rapidly alerting members of the Board and support staff and assembling at the ASCS County Office or other prescribed emergency operating site ready to carry out defense assignments.

(8) Also while the Board is assembled, the Chairman should send a wire over the GSA "ARS" to the Board Chairman of an adjoining State and request a reply (to check sending and receiving capability).

Each State Defense Board Chairman will include in the minutes of this Board meeting suggestions and recommendations concerning such an exercise for their County Defense Boards; the State wired during the exercise; and any difficulties noted.



Assistant to the Secretary

1. The first part of the paper is devoted to a general discussion of the problem of the existence of solutions of the system of equations

$$\begin{cases} \Delta u = f(x, y, z, u, v, w) \\ \Delta v = g(x, y, z, u, v, w) \\ \Delta w = h(x, y, z, u, v, w) \end{cases} \quad (1)$$

where f, g, h are continuous functions of their arguments.

It is shown that if the functions f, g, h satisfy certain conditions, then the system (1) has a solution in the domain D bounded by the surface S and the plane $z=0$, where D is the region in which the coordinates x, y, z satisfy the inequalities

$$x^2 + y^2 + z^2 \leq R^2, \quad z \geq 0, \quad (2)$$

where R is a positive constant. The conditions which must be satisfied by the functions f, g, h are



DEPARTMENT OF AGRICULTURE

WASHINGTON, D.C. 20250

15 MAR 1967

USDA STATE DEFENSE POLICY MEMORANDUM NO. 53, SUPPLEMENT 1

USDA Field Readiness Test - Spring 1967

This supplement is to further emphasize the necessity and importance of the field readiness test announced on February 28, 1967. The last such test was conducted October 19, 1965. Since this time major communications facilities have been replaced. One of the important features of the test will be to determine our readiness capability of the new facilities now available.

It is the intention that State Defense Boards should fully utilize the time and expenditures made by individual members.

Item 7 in Policy Memorandum 53 indicated that a meeting of the Board should be held at the ESO. This item should have been expanded since it might be interpreted as not expecting the Board to take up as many of its responsibilities as they have time for that day.

Since issuing the memorandum, I have been advised that some State Defense Boards already plan to hold their regular meetings, which are held at least quarterly, in conjunction with the readiness test. I feel, where practical, this is a wise decision and especially pertinent in this last quarter of the fiscal year. In the announcement of future readiness tests this will be borne in mind and the lead time will be expanded to make even more feasible planning on the part of each State Defense Board to fulfill in connection with the readiness test its responsibility for a regular meeting.

A handwritten signature in blue ink, likely belonging to the Assistant to the Secretary, is positioned below the main text.

Assistant to the Secretary

Used For Reproduction
Secretary's Record & Comm. File

NATIONAL DEFENSE 4



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DEPARTMENT OF AGRICULTURE

WASHINGTON, D.C. 20250

April 12 1967

USDA STATE DEFENSE POLICY MEMORANDUM NO. 53, SUPPLEMENT 2

USDA Field Readiness Test - Spring 1967

Attached are some results of the relocation and communications test exercise conducted by USDA State Defense Boards under guidance of USDA national headquarters on April 3, 1967.

The exercise demonstrated a good overall capability to respond to a surprise alert and quickly assemble defense boards at Emergency State Offices. It demonstrated the effectiveness of the emergency teletype network. At the same time it revealed some deficiencies which require correction at the national level and in the States.

The participation and cooperation of the USDA State Defense Boards in this exercise is much appreciated.

Attachment

A handwritten signature in blue ink, appearing to read "Alvin H. Smith", is located in the lower right portion of the page.



1944

The following information was obtained from the records of the New York State Department of Social Services, Division of Child Welfare, for the year 1944.

The total number of children in the State of New York who were under the care of the State Department of Social Services, Division of Child Welfare, for the year 1944 was 1,234.

The following table shows the distribution of these children by race and sex:

Summary Results of Relocation and Communications Test Exercise
April 3, 1967

1. Relocation Phase. The 48 contiguous States were asked to participate in the relocation phase by the original terms of the instruction. (Although not asked to do so, one of the other States voluntarily participated in this phase.)

USDA State Defense Boards deserve commendation for the speed of notification and assembling the members or successors at Emergency State Offices. The elapsed assembling time varied from about 20 minutes to a little over 4 hours depending on the distance of the ESO from the regular offices of most board members. Many States with some traveling to do, accomplished the notification and relocation in less than 2 hours.

Overall, the agency representation was good. A particular effort should be made to see that all agencies are represented at defense board functions by regular members unless it is absolutely impossible for them to do so. In that event the regular defense board member should, of course, be represented by one of his successors.

Following are some figures summarizing participation in the relocation phase:

29 States - all board members present or represented. About 70% of the State boards had half or more of the regular members present.

11 States - all but one agency represented. All had more than half of regular board members present.

5 States - all but two agencies represented. Four had more than half of regular board members present, but one had no regular board members present.

1 State - all but three agencies represented. In this State half of the regular board members were present.

1 State - no action. In this State the notice of exercise was received, but apparently overlooked until too late. This State has since conducted the exercise.

- 1 State - reduced participation. In this State exceptional circumstances made it necessary to request advance permission for reduced participation. Since the circumstances were unavoidable and sufficiently unusual not to make a precedent, USDA gave such permission.
2. Communications Phase. The 48 contiguous States were asked to participate in the communications phase. Later, Alaska, Hawaii and Puerto Rico-Virgin Islands were invited to take part on a specialized basis since they do not have the GSA Advanced Records System teletype equipment.

Generally, this phase of the exercise went well. A few defense boards encountered equipment trouble and they should have this trouble corrected at once if not already done. Whenever equipment trouble is detected, it should be reported promptly to Western Union using the trouble number posted with each machine. The USDA State Defense Board Chairman should report the nature of the trouble, time service was restored and recommendations as soon as possible to USDA national headquarters.

The exercise suggested some ways to make broad improvements in the emergency communications system. For example, it may be possible to establish a telephone backup between Emergency State Offices and Repoint which can be used wherever there is teletype failure in a particular State. Also some procedural refinement may be made in message preparation. Efforts to take care of such matters will continue.

Following are some figures summarizing results of the communications phase:

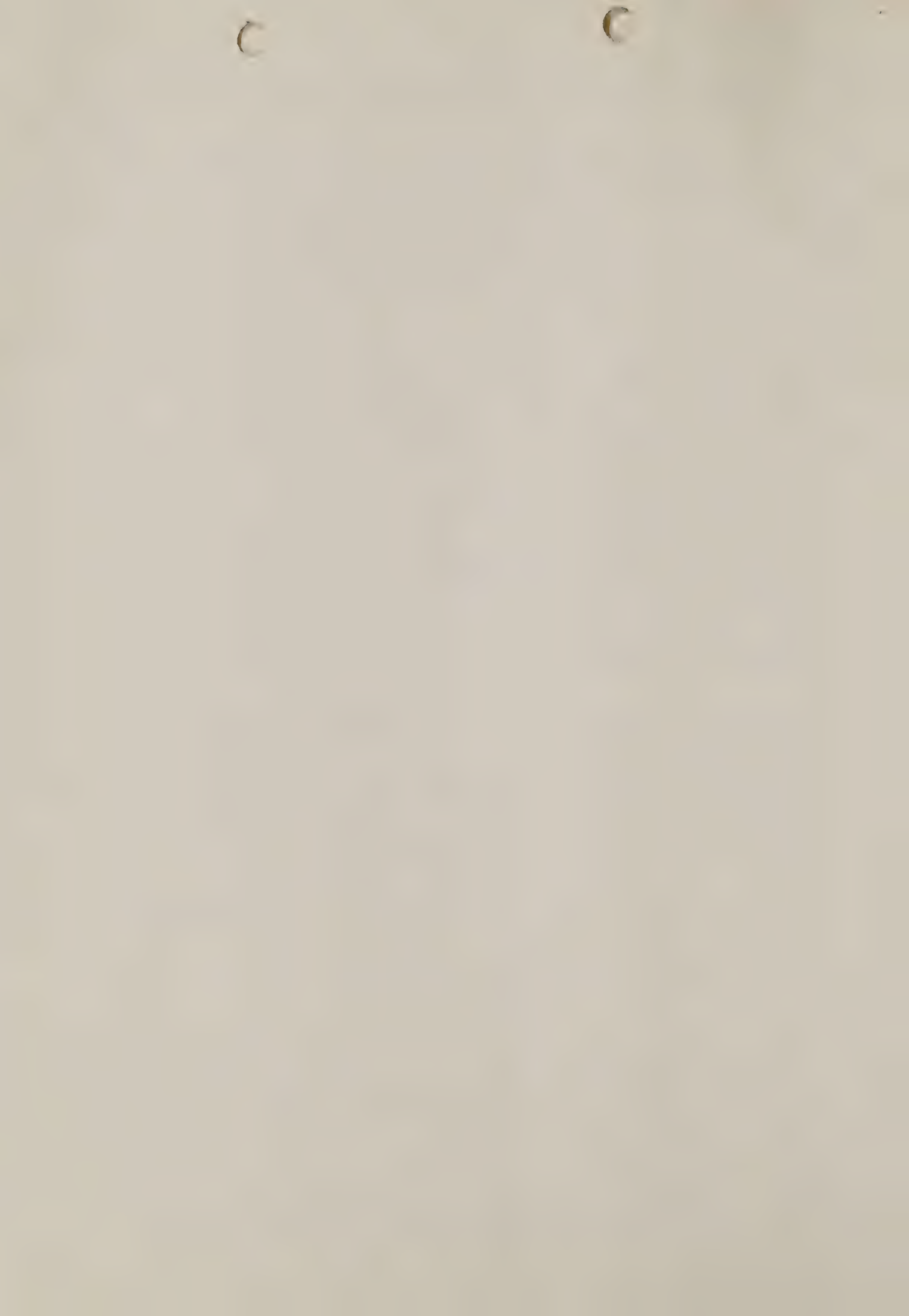
Test not completed during period of exercise:

4 States

Advanced Records System teletype equipment functioned well in most States. Equipment trouble was encountered at USDA Repoint and in 4 Emergency State Offices.

Routing errors (main message):

3 States routed message to D.C. instead of Repoint,
1 State routed message to ASCS Midwest relocation
office instead of Repoint,
(Routing errors do not include cases of rerouting
on account of equipment failure.)



Results of 2:05 p.m. EST Repoint transmission test:

Over two-thirds of State Boards received the message within 8 minutes. All others with workable equipment received the message within a few more minutes showing that a single message can be sent almost simultaneously within a very few minutes to all States. This is a valuable capability for any buildup or emergency situation.

* * * * *

Note: A few USDA State Defense Boards extended this exercise to County Defense Boards although this was not required on April 3, 1967. Communications between States seemed to work well in most cases.

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DEPARTMENT OF AGRICULTURE

WASHINGTON, D.C. 20250

May 15 1967

USDA STATE DEFENSE POLICY MEMORANDUM NO. 54

Instructions for the Interpretation and
Use of Defense Food Order No. 2 on Food Management

PURPOSE

To provide USDA State and County Defense Boards with copies of the "Instructions for the Interpretation and Use of Defense Food Order No. 2 (Food Management)" developed by C&MS and dated May 1967. The Federal Register reprint containing Defense Food Order No. 2 (32 FR 6826-6830) was sent to USDA State Defense Boards under Supplement 2 to USDA State Defense Policy Memorandum No. 45. Eventually this order will be republished and the extent of change will depend on comments received from the industry and others in the interim. Should an emergency arise in the interim, this order and the related suborders will be used in accordance with the "Instructions".

ACTION

1. Distribute and file copies of the "Instructions" received under separate cover as follows:

USDA State Defense Board

1 copy for use by State Defense Board members. The Food Management Representative (FMR) and his support staff will be supplied copies through C&MS agency channels.

2 copies for the State Defense Board emergency records
(Filing Code: C&MS 2-2)

1 copy for use by State government counterpart

USDA County Defense Board

1 copy for use by County Defense Board members

1 copy for the County Defense Board emergency records
(Filing Code: ASCS 6)

2. Discard earlier versions of this document. Earlier versions were used in regional training meetings for State Defense Boards in the calendar year, 1966, and have been used in recent Food Management Conferences.

3. As soon as C&MS completes the Food Management Conference in your State, it is requested that you have the FMR brief the State Defense Board on Defense Food Order No. 2 and its suborders at the next regular meeting. Also, subsequent to the Food Management Conference in your State, C&MS has indicated that the FMR and his support staff will be better prepared to assist the State Defense Board in training County Defense Boards in the use and administration of Defense Food Order No. 2 at the county level.

TRANSMITTAL OF "INSTRUCTIONS" TO COUNTY DEFENSE BOARDS AND EXPLANATION

In order to assist USDA County Defense Boards in applying the "Instructions" and orders at the county level, there is attached as Exhibit 1, a suggested text of a memorandum to County Defense Boards. As explained in Exhibit 1 and Page 41 of the "Instructions", Defense Food Order No. 2 and four of the suborders would be required when county boards are unable to communicate with higher USDA authority in an emergency; two (applicable at the State level) would not be used, and others would be optional depending on the circumstances.

TRANSMITTAL OF "INSTRUCTIONS" TO STATE GOVERNMENT AND EXPLANATION

In transmitting a copy of the "Instructions" to State government it is appropriate to point out that Defense Food Order No. 2 has been published in the Federal Register with copies available as stated in the Federal Register document. It should also be noted that the "Instructions" are being provided to State government because of necessarily close relations in program administration. They are for internal use and should not be given public distribution.

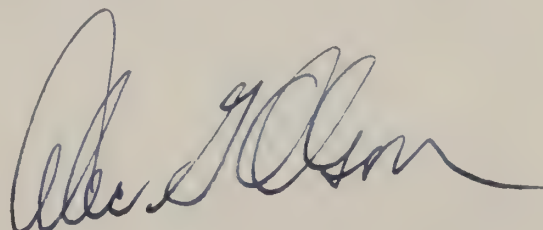
FURTHER OPERATING GUIDANCE

Further operating guidance in connection with the entire food management program for USDA State and County Defense Boards will be included as soon as possible in the USDA State and County Defense Operations Handbooks or related supplements.

RETENTION

Retain this memorandum until further notice.

Attachment



Suggested Text of a Memorandum from USDA State Defense Boards to USDA
County Defense Boards Distributing the "Instructions for the Interpretation
and Use of Defense Food Order No. 2"

PURPOSE

To provide USDA County Defense Boards with two copies of the "Instructions for the Interpretation and Use of Defense Food Order No. 2 (Food Management)", dated May 1967. The "Instructions" were developed by C&MS to aid Defense Boards in understanding the food management order. The Federal Register reprint containing Defense Food Order No. 2 was sent earlier to all USDA County Defense Boards. Eventually this order will be republished. Should an emergency arise in the interim this order and the related suborders will be used in accordance with the "Instructions".

BACKGROUND

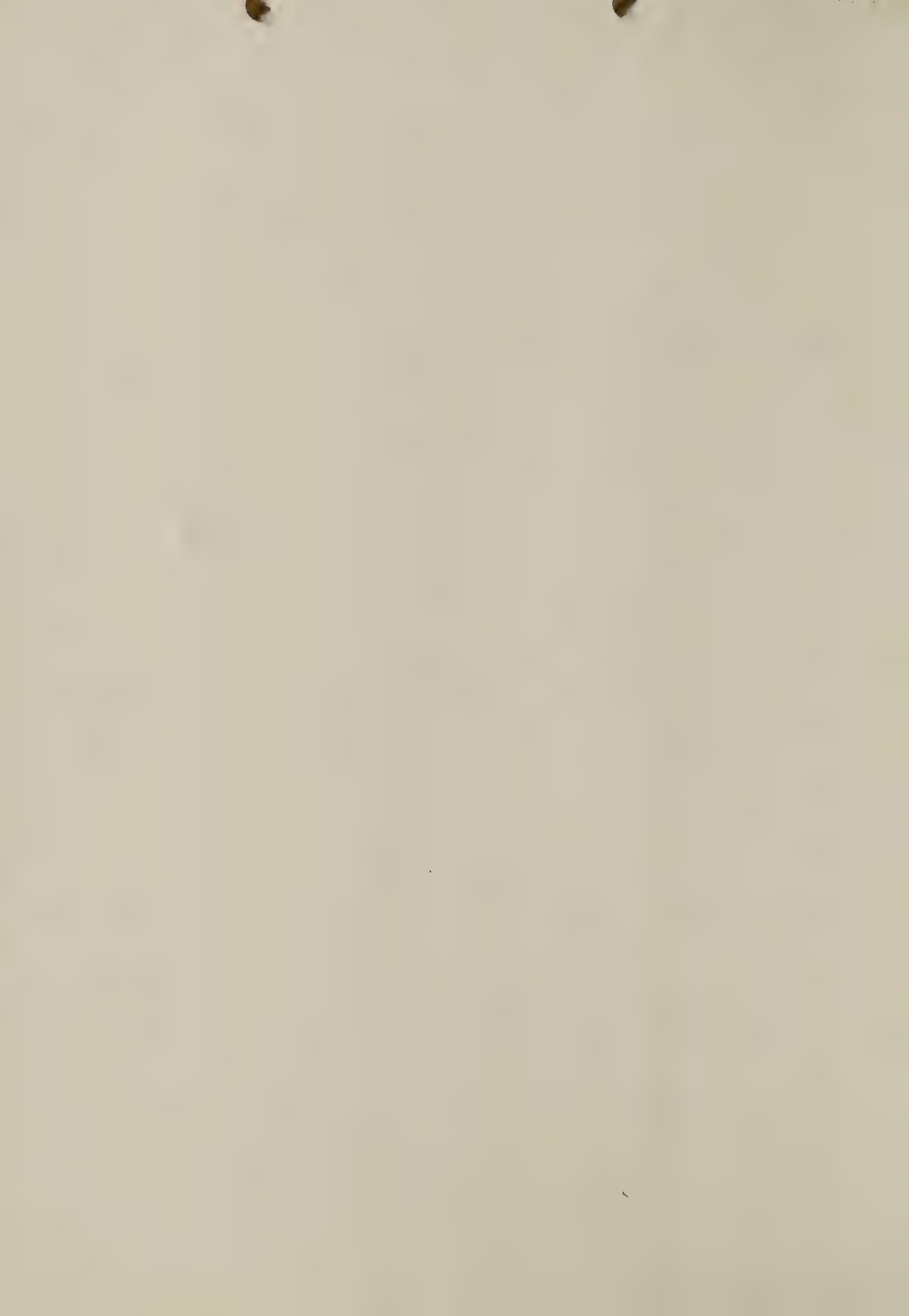
These "Instructions" include a detailed interpretation on a section by section basis of the effects of the order and related suborders on the food industry. The "Instructions" include sample action documents or suborders. Defense Food Order No. 2 and applicable suborders will be issued at the county level only if the USDA County Defense Board is unable to communicate with higher authority. Even then, the suborders will be issued only as required to meet postattack circumstances. Suborders should be used so as to achieve maximum conservation, equitable distribution and efficient utilization of all food.

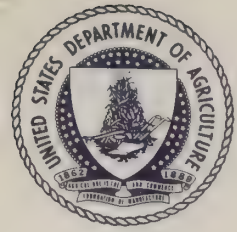
ACTION

1. Distribute and file copies of the "Instructions" as follows:
 - 1 copy for use by USDA County Defense Board members
 - 1 copy for the USDA County Defense Board emergency records
(Filing Code: ASCS 6)
2. The order is primarily a State-level device so not all of the actions possible under the order will or should be used at the county level. See Page 41 of the "Instructions" for guidance on the use of suborders at the county level.

FURTHER OPERATING GUIDANCE

Further guidance to USDA County Defense Boards in the administration of the food management program and in the use and issuance of the food management order and suborder will be included as soon as possible in the USDA County Defense Operations Handbook or related supplements.





DEPARTMENT OF AGRICULTURE

WASHINGTON, D.C. 20250

USDA STATE DEFENSE POLICY MEMORANDUM NO. 55

USDA County Defense Board Combinations

A question has been raised by a number of States on the matter of combining USDA County Defense Boards. A policy has been formulated in response to this question after considering the problem, actions taken to date, and alternative possibilities.

PROBLEM

ASCS has combined two or more counties under a single ASCS County Office Manager in a number of cases, and combinations for administrative purposes have also occurred in some other agencies as well. Since the ASCS County Office Manager is normally the County Defense Board Chairman, this has created problems with respect to County Defense Board organization and direction. Some States have combined counties for defense purposes to parallel the ASCS pattern. In some cases the individual County Boards have been retained, even though counties have been combined for ASCS administrative purposes. There are also county combinations for defense which bear no relationship to other combinations.

POLICY

1. Counties should be combined for defense purposes to parallel the ASCS combinations unless there is some overriding reason why this should not be done. There are advantages in such a combination:
 - a. The normal pattern of Defense Board Chairmanship can be followed.
 - b. The ASCS office which serves the combined counties can support the combined County Defense Board.
2. In combining counties for defense according to this policy, the following considerations shall apply:
 - a. Where an agency has a representative on more than one of the County Defense Boards which are being combined, each of these representatives will become a member of the new combined Board. This means that a combined Board may have more than one member from a single agency. State level representatives may arrange adjustments in this, however, when necessary to achieve the best distribution of agency local representatives among County Defense Boards. Each Board member is expected to attend Board meetings and participate in all Board activities.

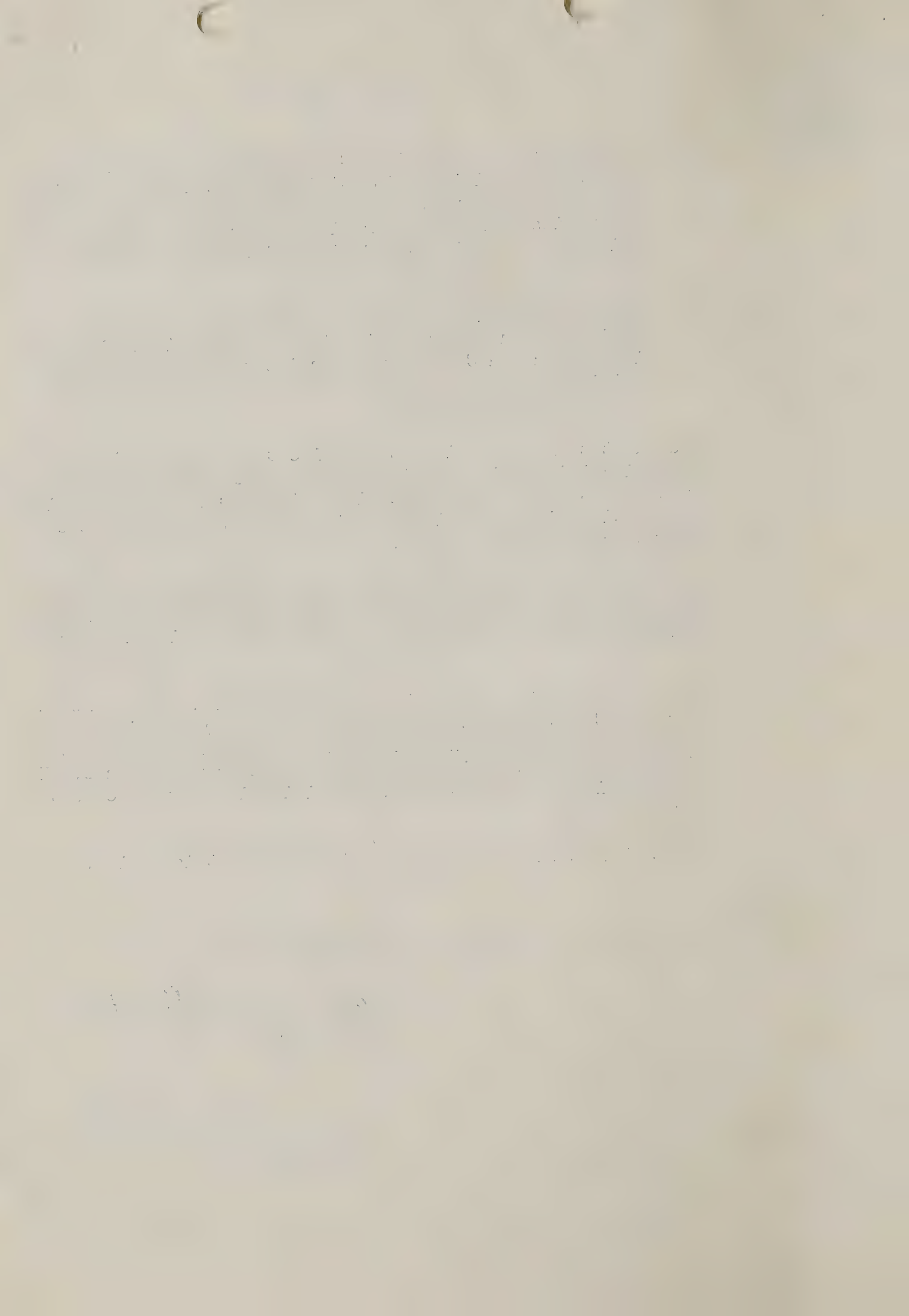
- b. The Chairman of a combined County Defense Board is responsible for liaison with Civil Defense in all counties covered by the Board. A USDA Board member in the county or counties where the Board is not headquartered will be designated to assist the Chairman in liaison with the local Civil Defense Headquarters.
 - c. When a combination involves a county which includes a considerable urban area, it will be appropriate, if feasible, to add a C&MS representative to the Board. Such additions, however, will be subject to advance approval by Washington headquarters.
3. When a State Board decides to combine County Boards in accordance with this policy, national headquarters need not be consulted, but a summary of the discussion should be entered in the meeting minutes or included in the next quarterly defense report from the State Board.
4. Where overriding reasons seem to prevent County Board combinations according to this policy, the State Defense Board may request national headquarters to make an exception and state the reason.
5. With the exception of specialized "Metropolitan Area Defense Boards", County Boards already combined on some basis (other than the basis stated in this policy will be reviewed by the State Board to determine whether a change should be made. If a change is not warranted, the justification should be sent to headquarters.)
6. County Defense Boards should be informed of this policy.

RETENTION

This memorandum should be retained until further notice.

George H. Walter

*George H. Walter, Acting
Assistant to the Secretary*





DEPARTMENT OF AGRICULTURE

WASHINGTON, D.C. 20250

April 16 1968

USDA STATE DEFENSE POLICY MEMORANDUM NO. 56

Essential Telephone Service in Time of Emergency

PURPOSE

To update procedures in SDH Par. 421 and CDH Par. 315 for requesting essential telephone service for USDA State and County Defense Board members. This service is important for both natural disasters and national defense emergencies.

BACKGROUND

The General Services Administration (GSA) has recently authorized USDA agencies, among others, to request the nearest GSA Regional Office to arrange with local telephone companies to place the residential telephones of selected personnel on "line load control". This service provides individuals unlimited access to the commercial telephone network during periods of national emergencies or contingencies at no additional cost to the telephone subscriber. Procedures for requesting essential service for office telephones remain basically the same.

DESCRIPTION OF SERVICE AND PROCEDURE FOR OBTAINING IT

1. Residential Telephones. A limited number of residential private line telephones can be placed on line load control in each telephone central office. An additional consideration is necessary if a party line telephone is added to the line load control list. If the Board member wants to make a call at a time when another party is on the line, he may have to request that party to yield because of his urgent business.

No further action need be taken where any Board has already arranged for residential telephones to be placed on line load control lists. However, where arrangements have not been made or changes are necessary, they will be processed as follows.

- a. County Board Action. The County Board Chairman will send to the State Board Chairman, the name of the new Board members to add to the line load control list and the name of the former members to drop from the list.

The list will show the Area Code number, telephone number, member's name, street address and city as follows.

NATIONAL DEFENSE

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OFFICE OF THE

SECRETARY OF THE

STATE OF

IN WITNESS WHEREOF, I have hereunto set my hand and the seal of the State, at the City of

Washington, this _____ day of _____, 19____.

Secretary of State

Notary Public

Witness

"Add the Following Board Member's Name to the
Line Load Control List:

AREA CODE 301

005-0743 -- John T. Doe, 2337 Huron Street, Forest Heights"

"Drop the Following Board Member's Name from the
Line Load Control List:

AREA CODE 301

439-7417 -- Richard L. Roe, 8033 Maine Street, Adelphi"

Where more than one name is being submitted and there are different Area Code numbers, this process will be repeated listing individuals under their respective Area Code numbers.

- b. State Board Action. The State Board Chairman will periodically compile a list of changes in State and County Board membership according to the format set forth in "1 a" above.

This list will be submitted to the Communications Officer of the nearest GSA Regional Office in an original and two (2) copies. (Another copy will be kept in the Chairman's files.) That agency will then contact the appropriate telephone companies to have the telephones placed on line load control. GSA will report results to the State Board Chairman who will notify the County Board Chairmen.

2. Office Telephones. The office telephones of State and County Board members as well as those of the Emergency State Office (ESO) and any emergency relocation site for the County Board also should be on line load control to provide for essential telephone service during a national emergency or contingency.

- a. Standard Business Telephones (Non-FTS). This type of telephone is essentially the same as a residential private (or party) line telephone in that it is installed in an office and connected directly with a commercial telephone central office (or a switchboard). In this case, the procedure set forth in SDH Par. 421 and CDH Par. 315 would be used to get the office telephone on line load control. Arrangements would be made with the local telephone company by State and County Board Chairmen for the office telephones of their respective Board members and emergency relocation sites to be placed on line load control.

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9. 2010年10月10日

- b. Telephones Connected to an FTS Switchboard. Where this condition exists, a limited number of trunks connecting the FTS switchboard to a special switching center will normally be placed on line load control. The State Board Chairman and County Board Chairmen with FTS telephones will need to acquaint their FTS assistance operators with their emergency responsibilities and their need to make outgoing calls during periods of national emergencies or contingencies.
3. Troubleshooting. Any Board Chairmen who have had difficulty in negotiating with the local telephone company for essential telephone service in offices should send a memorandum to the State Board Chairman giving the information on the Board member involved as set forth in "1 a" above as well as the name of the telephone company and the nature of the difficulty.
- The State Board Chairman will send information on problems encountered at the State and county levels to the Communications Officer of the nearest GSA Regional Office following the listing procedure prescribed in "1 b" above. The GSA Regional Office will work out the problems with the telephone company and report results to the State Board Chairman who will, in turn, notify the County Board Chairmen involved.
4. Costs. Telephone companies make no additional charge for these line load control arrangements associated with essential telephone service in time of emergency. This is confirmed by Federal Property Management Regulations, Temporary Regulation F-13, of GSA printed in the Federal Register of February 2, 1968.
5. County Board Instructions. Additional copies of this instruction will be provided for distribution to the County Boards.

RETENTION

This memorandum should be retained until incorporated in the USDA Defense Operations Handbooks.

George H. Walter

Acting Assistant to the Secretary



DEPARTMENT OF AGRICULTURE

WASHINGTON, D.C. 20250

April 24 1968

USDA STATE DEFENSE POLICY MEMORANDUM NO. 57

SECRETARY'S FILES

Assignment of Defense Responsibilities Within USDA

SECRET'S RECORDS & COM. DIV.

PURPOSE

To inform you that the statement assigning defense responsibilities within USDA has been revised and updated. The revised statement has been printed in the Federal Register as a notice, (33 FR 6251 - 6257). The same statement is being included in revised Sections 1 through 5, Chapter 4, Title I of the Administrative Regulations of USDA. Section 6 of Chapter 4 is also being revised, but Section 7 which includes the USDA emergency delegations will remain in effect without change at this time.

SCOPE OF REVISIONS

The revised statement does not basically change defense assignments within USDA. In addition to editorial improvement, the revisions do, however:

1. Record the defense assignments for USDA State, County and Metropolitan Area Defense Boards in order to focus attention on the importance of each Board acting as a collective unit. Success of the Board depends on the complete support of all its members. The responsibilities and authorities of the State and County Defense Board Chairmen, as heretofore assigned, are not changed.
2. Clarify existing assignments and add other defense assignments. For example, the new ASCS agency statement includes the conditions under which ASCS is responsible for emergency food management program operations at the county level. The revised statement recognizes the responsibility of ASCS for the coordination of manpower activities, and activities relating to the expansion of production capacity under the Defense Production Act of 1950, as amended. CCC functions carried out by ASCS have been covered under a separate heading which includes the new credit financing responsibility. The relationship of Defense Boards to regional offices of various USDA agencies is clarified and defense responsibilities of the SCS Regional Technical Service Centers are described for the first time. Statements relating to attack analysis and damage assessment are added where necessary and standardized throughout.

NATIONAL DEFENSE

DATE: 25 July

ACTION

1. Title I, Chapter 4 of the Administrative Regulations.
Appropriate sections of Chapter 4 will be distributed separately at the State and county levels. When these are available, they will be transmitted to you by an Emergency Records Memorandum which will explain the distribution. Appropriate sections of Chapter 4 will also be included as an exhibit in the State and County Defense Handbooks. For administrative purposes within USDA, reference to defense assignments will be in terms of the Administrative Regulations rather than the Federal Register notice.
2. Federal Register Notice.
The Federal Register notice was printed on April 24, 1968, and regular recipients of the Federal Register have it already. Since the public also receives the Federal Register notice, you may need to refer to it in answering questions from the public regarding the defense responsibilities of the Department of Agriculture.
3. Discuss the assignments in a regular Board meeting and make sure that all members are familiar with all provisions.

RETENTION

Retain this memorandum until you receive Chapter 4, revised, of the Administrative Regulations,

George H. Water
Acting Assistant to the Secretary

1912

1. The first part of the paper is devoted to a general discussion of the problem of the origin of life. It is shown that the problem is one of the most important and most difficult in the history of science.

2. The second part of the paper is devoted to a detailed discussion of the various theories of the origin of life. It is shown that the most plausible theory is that of the spontaneous generation of life from non-living matter.

3. The third part of the paper is devoted to a discussion of the evidence in favor of the spontaneous generation of life from non-living matter.

4. The fourth part of the paper is devoted to a discussion of the evidence in favor of the spontaneous generation of life from non-living matter.

5. The fifth part of the paper is devoted to a discussion of the evidence in favor of the spontaneous generation of life from non-living matter.

6. The sixth part of the paper is devoted to a discussion of the evidence in favor of the spontaneous generation of life from non-living matter.

UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF THE SECRETARY
WASHINGTON, D. C. 20250

August 9, 1968

USDA STATE DEFENSE POLICY MEMORANDUM NO. 58

Revised Instructions for the Interpretation and Use of Defense
Food Order No. 2 on Food Management

PURPOSE

To provide USDA State and County Defense Boards with copies of the revised "Instructions for the Interpretation and Use of Defense Food Order No. 2 (Food Management)" developed by C&MS and dated July 1968. The Federal Register reprint containing Defense Food Order No. 2 (dated May 29, 1968) was sent to USDA State Defense Boards under Supplement 3 to USDA State Defense Policy Memorandum No. 45. If an emergency should occur, Defense Food Order No. 2 and its related Suborders will be used in their present form in accordance with the revised Instructions. Note that samples of the kinds and types of Suborders to be used with Defense Food Order No. 2 are provided on pages 34 through 71. The revisions of DFO No. 2 and the Instructions do not change the basic substance of the earlier material, but clarify some sections and strengthen others. This should result in a better understanding of the procedures involved.

ACTION

1. Distribute and file copies of the revised Instructions received under separate cover as follows:

USDA State Defense Board

1 copy for use by State Defense Board members. The Food Management Representative (FMR) and his support staff will be supplied copies through C&MS agency channels.

2 copies for the State Defense Board emergency records (Filing Code: C&MS 2-2)

1 copy for use by State Government counterpart

USDA County Defense Board

1 copy for use by County Defense Board members

1 copy for the County Defense Board emergency records (Filing Code: ASCS-FM 1)

2. If it has not already been done, the FMR should brief the State Defense Board on Defense Food Order No. 2 and its suborders at a regular meeting. This can be done when C&MS completes the Food Management Conference scheduled during Fiscal Year 1969 in your State or at some other appropriate time. Comments should be summarized in meeting minutes. Also, C&MS has indicated that the FMR and his support staff are prepared to assist the State Defense Board in training County Defense Boards in the use and administration of Defense Food Order No. 2 at the county level.

TRANSMITTAL OF REVISED INSTRUCTIONS TO COUNTY DEFENSE BOARDS AND EXPLANATION

In order to assist USDA County Defense Boards in applying the revised Instructions and orders at the county level, there is attached as Exhibit 1, a suggested text of a memorandum to County Defense Boards. As explained in Exhibit 1 and page 33 of the revised Instructions, Defense Food Order No. 2 and four of the suborders would be required when County Boards are unable to communicate with higher USDA authority in an emergency, two of the suborders (applicable at the State level) would not be used, and others would be optional depending on the circumstances. Each County Defense Board will be expected to review Defense Food Order No. 2, its suborders and Instructions for their use at a board meeting in the near future.

TRANSMITTAL OF REVISED INSTRUCTIONS TO STATE GOVERNMENT AND EXPLANATION

In transmitting a copy of the revised Instructions to the appropriate official of the State government, it is appropriate to point out that a revised Defense Food Order No. 2 was published in the Federal Register on May 29, 1968. It should also be noted that the revised Instructions are being provided to State government

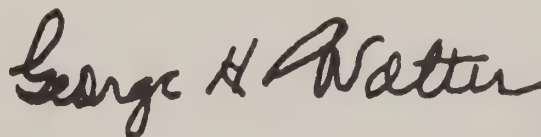
because of necessarily close relations in food program administration. They may serve as additional backup to Part 4 of the State Food Plan.

ADDITIONAL OPERATING GUIDANCE

Additional operating guidance in connection with the entire food management program for USDA State and County Defense Boards is included in the revised USDA State and County Defense Operations Handbooks and related documents. These guidance documents will be revised or expanded as the need arises.

RETENTION AND SUPERSEDURE

1. File a copy of this memorandum and the Instructions in the State Defense Board emergency records (Filing Code: C&MS 2-2).
2. Discard the May 1967 version of the "Instructions for the Interpretation and Use of Defense Food Order No. 2 (Food Management)" (Filing Code: C&MS 2-2).
3. Discard Supplement 3 to USDA State Defense Policy Memorandum No. 45.



George H. Walter, Acting
Assistant to the Secretary

Attachment

Suggested text of a memorandum from USDA State Defense Boards to USDA County Defense Boards distributing the revised "Instructions for the Interpretation and Use of Defense Food Order No. 2"

PURPOSE

To provide USDA County Defense Boards with two copies of the revised "Instructions for the Interpretation and Use of Defense Food Order No. 2 (Food Management)", dated July 1968. The revised Instructions were developed by C&MS to aid Defense Boards in understanding the Food Management Order. The Federal Register reprint dated May 29, 1968, containing Defense Food Order No. 2 was sent earlier to all USDA County Defense Boards. Should an emergency arise, this Order and the related Suborders will be used in accordance with the revised Instructions.

BACKGROUND

These revised Instructions include a detailed interpretation on a section-by-section basis of the effects of the Order and related Suborders on the food industry. The revised Instructions include sample action documents or Suborders (page 34 through 71). Defense Food Order No. 2 and applicable Suborders will be issued at the county level only if the USDA County Defense Board is unable to communicate with higher authority. Even then, the Suborders will be issued only as required to meet postattack circumstances. See page 33 of the revised Instructions for guidance on use of the Suborders at the county level. Suborders should be used so as to achieve maximum conservation, equitable distribution and efficient utilization of all food.

ACTION

1. Distribute and file copies of the revised Instructions as follows:

1 copy for use by USDA County Defense Board members

1 copy for the USDA County Defense Board emergency records (Filing Code: ASCS-FM 1).

2. Review these revised Instructions at a meeting of the County Defense Board and include results of the discussion in the meeting minutes. A representative of the local civil defense organization should be included in the meeting.

ADDITIONAL OPERATING GUIDANCE

Additional guidance to USDA County Defense Boards in the administration of the food management program and in the use and issuance of Defense Food Order No. 2 and its Suborders is included in the revised USDA County Defense Operations Handbook and related documents. These guidance documents will be revised or expanded upon as the need arises.

SUPERSEDURE

Discard the earlier version of the "Instructions for the Interpretation and Use of Defense Food Order No. 2 (Food Management)" dated May 1967 (Filing Code: ASCS-FM 1; Old Filing Code: ASCS-6).

C.

C.

Produced for Reproduction
Record & Comm. Div.

UNITED STATES DEPARTMENT OF AGRICULTURE
Office of the Secretary
Washington, D. C. 20250

January 23 1969

USDA STATE DEFENSE POLICY MEMORANDUM NO. 59

Reporting of Suspicious Acts

This is to remind USDA Defense Board members of the procedure to be followed in reporting any action suspected as being detrimental to U. S. security. This procedure is applicable to everyone but this reminder is to insure proper reporting of any such acts brought to your attention. The substance of the following paragraphs will be incorporated in future Defense Operations Handbooks.

Reporting Suspicious Actions. Any actions which are observed that appear to endanger the national security should be reported. In any period of increased international tension, USDA personnel should be particularly alert and report the following as indicated below:

- a. Unusual Animal Diseases. Any reports of unusual animal disease or behavior should be reported to a local veterinarian, State Veterinarian or the Veterinarian in Charge, Animal Health Division (ANH), ARS. They are responsible for taking whatever actions are found appropriate. In cases at or near a port, the ANH Port Veterinarian should also be advised. The ANH Port Veterinarian supervises all animal inspection and quarantine activities within the scope of the port area. Paragraphs 714 and 715 of the State Defense Operations Handbook and 512 and 514 of the County Defense Operations Handbook indicate comparable procedures to be followed under attack conditions.
- b. Unusual Crop Diseases and Pests. Any unusual crop disease or pest should be reported to the County Agricultural Agent who will contact the State Agricultural College, State Regulatory Agent or Plant Pest Control Division (PPC) office. It should also be noted that the Plant Quarantine Division continues to cooperate with others in safeguarding against the entry of foreign plant pests and diseases. The comparable control procedures under attack conditions are described in Pars. 729 and 737 of the State Handbook and 516 and 517 of the County Handbook. Unusual diseases or pests affecting forests should also be reported to the nearest State Forester or U. S. Forest Service Office for their information and attention if appropriate.
- c. Suspicion of Smuggling. In lands under USDA jurisdiction bordering sea coasts, the Great Lakes or inland waterways, any suspicious acts such as possible smuggling should be reported

THE UNIVERSITY OF CHICAGO

DEPARTMENT OF CHEMISTRY

REPORT OF THE RESEARCH GROUP ON THE CHEMISTRY OF THE CARBON-13 ISOTOPE

BY THE RESEARCH GROUP ON THE CHEMISTRY OF THE CARBON-13 ISOTOPE

CHICAGO, ILLINOIS

1961

THE UNIVERSITY OF CHICAGO

DEPARTMENT OF CHEMISTRY

to the nearest Coast Guard office. All USDA offices along the coasts should cooperate with the Coast Guard if so requested.

- d. Other Suspicious Acts. Any other type of suspicious action which is believed to possibly endanger U. S. national security should be reported to the nearest FBI representative who will determine and take whatever action is deemed appropriate.
- e. Notice to USDA National Headquarters. Notice to USDA national in connection with "a" and "b" above will follow regular agency control procedures. Any activity reported to the Coast Guard or the FBI under "c" and "d" above will also be reported as soon as possible in writing to USDA national headquarters.

George H. Walter

George H. Walter
Acting Assistant
to the Secretary

1. The first part of the report is a general introduction to the subject of the study.

2. The second part of the report is a detailed description of the methods used in the study.

3. The third part of the report is a discussion of the results of the study and their implications for the field of research.

4. The fourth part of the report is a conclusion and a list of references.



DEPARTMENT OF AGRICULTURE
OFFICE OF THE SECRETARY
WASHINGTON

APR 16 1969

USDA STATE DEFENSE POLICY MEMORANDUM NO. 60

Contacting the Food Industry on Defense Food Order No. 2
Food Management

PURPOSE

To provide USDA State Defense Boards and Defense Boards in Metropolitan Areas with some guidelines to be used in contacting the food industry at the State level and in metropolitan areas.

BACKGROUND

Prior to May 29, 1968, there was some hesitancy in contacting the food industry with regard to the Department's emergency food management program. However, with the May 1968 publication of Defense Food Order No. 2 (DFO No. 2) in the Federal Register and C&MS's distribution of DFO No. 2 "Training Aids", there is no reason for our not carrying the message to the food industry now.

ACTION

USDA State Defense Boards should:

- (1) Either contact or have the defense boards in the State's metropolitan areas contact the food trade organizations and explain briefly the purpose of DFO No. 2.
- (2) Determine if the organization intends to hold any local meetings in the near future. If so, indicate your willingness to attend for the purpose of explaining the effects of DFO No. 2 to the organization's members. Meetings of this type have already been held in Colorado, Kentucky and Maine. They were most successful in gaining food industry support for our emergency preparedness efforts in the food management area.
- (3) If you are requested to make a presentation on DFO No. 2 before any food trade organization, please contact your Emergency Program Coordinator for the set of viewgraph "Training Aids" which should be most helpful to you. If this set is already committed, there are additional sets available from the Defense Programs Branch, C&MS, USDA, Washington, D.C., upon request. Sets of 35 mm. slides of this material are now being prepared and each C&MS representative on a State Defense Board will get a set as soon as available. The C&MS representative has received additional guidance in C&MS Defense Memo No. 126 dated August 9, 1968, and C&MS Defense Memo No. 128 dated October 23, 1968.

FOOD

- (4) USDA State Defense Board Chairmen shall forward a copy of this memorandum to the appropriate Defense Boards in Metropolitan Areas of his state.

In addition, C&MS has revised the pamphlet PA-572 entitled "Food Management in a National Emergency". This informational pamphlet, especially designed for the food industry, should be ready for distribution in July 1969.

CONCLUSION

Your actions taken, as a result of this memorandum, will assist the food industry in your area to understand the intent and purpose of DFO No. 2 and, more importantly, assure that the food industry realizes what their obligations are under emergency conditions. This, in effect, will be a big step towards carrying out the Department's total emergency preparedness program.

Contact with the food industry on this subject does not constitute a survey. Therefore, no other approval or authority is needed.

George H. Walter

George H. Walter, Acting
Assistant to the Secretary

UNITED STATES DEPARTMENT OF AGRICULTURE
Office of the Secretary
Washington, D. C. 20250

OCT 27 1969

USDA STATE DEFENSE POLICY MEMORANDUM NO.

61

Reporting of Suspicious Acts

The Department of Agriculture has been asked to again remind its staff of the need for and the procedure to be followed in reporting any action suspected as being detrimental to U. S. security. This procedure is to insure proper reporting of any such acts brought to your attention.

Reporting Suspicious Actions. Any actions which are observed by USDA personnel that appear to endanger the national security should be reported. In any period of increased international tension, USDA personnel should be particularly alert and report the following as indicated below:

- a. Unusual Animal Diseases. Any reports of unusual animal disease or behavior should be reported to a local veterinarian, State Veterinarian or the Veterinarian in Charge, Animal Health Division (ANH), ARS. They are responsible for taking whatever actions are found appropriate. In cases at or near a port, the ANH Port Veterinarian should also be advised. The ANH Port Veterinarian supervises all animal inspection and quarantine activities within the scope of the port area. Paragraphs 714 and 715 of the State Defense Operations Handbook and 512 and 514 of the County Defense Operations Handbook indicate comparable procedures to be followed under attack conditions.
- b. Unusual Crop Diseases and Pests. Any unusual crop disease or pest should be reported to the County Agricultural Agent who will contact the State Agricultural College, State Regulatory Agent or Plant Pest Control Division (PPC) office. It should also be noted that the Plant Quarantine Division continues to cooperate with others in safeguarding against the entry of foreign plant pests and diseases. The comparable control procedures under attack conditions are described in Pars. 729 and 737 of the State Handbook and 516 and 517 of the County Handbook. Unusual diseases or pests affecting forests should also be reported to the nearest State Forester or U. S. Forest Service Office for their information and attention if appropriate.
- c. Suspicion of Smuggling. In lands under USDA jurisdiction bordering sea coasts, the Great Lakes or inland waterways, any suspicious acts such as possible smuggling should be reported to the nearest Coast Guard office or the Bureau of Customs.

NATIONAL DEFENSE

THE HISTORY OF THE CITY OF BOSTON

BY
JOSEPH NEALE

VOLUME I.

THE CITY OF BOSTON, FROM THE FIRST SETTLEMENT TO THE PRESENT TIME. IN TWO VOLUMES. VOL. I. FROM THE FIRST SETTLEMENT TO THE YEAR 1700. BY JOSEPH NEALE, ESQ. OF THE BARR.

LONDON: PRINTED BY J. NEALE, AT THE SIGN OF THE THREE KINGS, IN ST. MARTIN'S LANE, 1790.

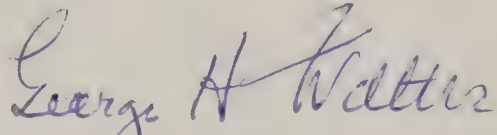
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- d. Other Suspicious Acts. Any other type of suspicious action which is believed to possibly endanger U. S. national security should be reported to the nearest FBI representative who will determine and take whatever action is deemed appropriate.
- e. Notice to USDA National Headquarters. Notice to USDA national headquarters in connection with "a" and "b" above will follow regular agency reporting procedures. Any activity reported to the Coast Guard or the FBI under "c" and "d" above will also be reported as soon as possible in writing to USDA national headquarters, attention Defense Coordinator, Office of the Secretary.

This policy memorandum supplements instructions previously incorporated in the Handbooks.



George H. Walter, Acting
Assistant to the Secretary

1. The first part of the paper is devoted to a discussion of the general principles of the theory of the structure of the atom.

2. In the second part, we shall consider the question of the influence of the external magnetic field on the structure of the atom. We shall show that the external magnetic field causes a splitting of the energy levels of the atom, which is known as the Zeeman effect.

3. The third part of the paper is devoted to a discussion of the question of the influence of the external electric field on the structure of the atom.



DEPARTMENT OF AGRICULTURE
OFFICE OF THE SECRETARY
WASHINGTON, D. C. 20250

November 20 1969

USDA STATE DEFENSE POLICY MEMORANDUM NO. 62

Significance and Distribution of Executive Order 11490

PURPOSE

This memorandum explains the significance and distribution of the new Executive Order 11490 "Assigning Emergency Preparedness Functions to Federal Departments and Agencies".

BACKGROUND

The President, by signing Executive Order 11490, has indicated his support for the emergency preparedness (defense) functions assigned to the various Federal Departments and Agencies and his desire that a continuing effort be made to carry out these functions effectively.

The new Executive Order combines the non-military emergency preparedness assignments of all Federal Departments and Agencies into one document and revokes several old Executive Orders including Executive Order 10998 "Assigning Emergency Preparedness Functions to the Secretary of Agriculture". The new Order takes into account changes in government reorganization which have occurred since the earlier Orders were issued and makes appropriate adjustments in functions.

In the case of USDA, however, specific provisions of Part 8 and general provisions of Parts 1 and 30 of the new Order mainly restate old USDA assignments in a new context but leave the assignments substantially the same as they were. Thus, the new Order does not in itself alter major defense assignments within USDA.

As indicated under "Action" below, distribution will be made of the full text of the new Executive Order and excerpts from it. Excerpts have been prepared covering the specific provisions of Part 8 and the general provisions of Parts 1 and 30 since they also have applicability to USDA. Broader distribution will be made of the excerpts than the full text.

The excerpts will be issued later as Handbook amendments replacing SDH Exhibit 1B and CDH Exhibit 1A. Individual agencies are making some additional distribution of the full text and excerpts according to their special needs.

NATIONAL DEFENSE

November 20, 1959

MEMORANDUM FOR THE SECRETARY

Reorganization and Distribution of Executive Order 11609

MEMORANDUM

This memorandum explains the significance and distribution of the new Executive Order 11609, "Reorganizing Departmental Functions in Federal Departments and Agencies".

BACKGROUND

The President, by signing Executive Order 11609, has indicated his support for the emergency reorganization (EO) functions assigned to the various Federal Departments and Agencies and his desire that a continuing effort be made to carry out these functions effectively.

The new Executive Order provides the non-official emergency reorganization assignments of all Federal Departments and Agencies into one document and covers several of the Executive Order functions. Executive Order 11609, "Reorganizing Departmental Functions in Federal Departments and Agencies", is the new Order which has been issued in government reorganization which have occurred since the earlier Order was issued and which appropriate assignments in Executive Order 11609.

In the case of USA, however, specific provisions of Part I and Part II of the new Order are not included in the new Order. The new Order does not in itself alter the assignments in a new context but leaves the assignments unchanged. The new Order does not in itself alter the assignments in a new context but leaves the assignments unchanged. The new Order does not in itself alter the assignments in a new context but leaves the assignments unchanged.

As indicated under "Action" below, reorganization will be made of the full text of the new Executive Order and Executive Order 11609. Changes have been proposed covering the specific provisions of Part I and Part II of the new Order. These changes will be made of the Executive Order 11609. The new Order does not in itself alter the assignments in a new context but leaves the assignments unchanged.

The changes will be made later as Executive Order 11609 is revised. The new Order does not in itself alter the assignments in a new context but leaves the assignments unchanged. The new Order does not in itself alter the assignments in a new context but leaves the assignments unchanged.

ACTIONA. State Level.

1. Distribute one copy of the full text of Executive Order 11490 and one copy of the excerpts to each member of the State Defense Board.
2. Discuss the new Presidential Order and its relation to the old Order at a State Defense Board meeting.
3. File one copy of the full text of the Order in the emergency records at the State ASCS Office and at the ESO (Filing Code: AO 1-2).
4. Distribute two copies of the excerpts from the new Executive Order to each County Defense Board Chairman along with necessary background.

B. County Level.

1. The County Board Chairman should be asked to mention in a Defense Board meeting the existence of the new Presidential Order and its relation to the old Order 10998.
2. One copy of the excerpts should be filed in the emergency records (Filing Code: AO 1-2).

DISPOSITION

This memorandum may be discarded when the actions described above have been taken.

George H. Walter

Acting Assistant to the Secretary

ACTION

A. State Level.

1. Distribute one copy of the full text of Executive Order 11610 and one copy of the excerpts to each member of the State Defense Board.
2. Discuss the new Presidential Order and its relation to the old Order at a State Defense Board meeting.
3. File one copy of the full text of the Order in the emergency records at the State AGO Office and at the HSO (Filing Code: AO 1-2).
4. Distribute two copies of the excerpts from the new Executive Order to each County Defense Board Chairman along with necessary background.

B. County Level.

1. The County Board Chairman should be asked to mention in a Defense Board meeting the existence of the new Presidential Order and its relation to the old Order 1098.
2. One copy of the excerpts should be filed in the emergency records (Filing Code: AO 1-2).

DISSEMINATION

This memorandum may be discarded when the actions described above have been taken.

George H. Butler
Acting Assistant to the Secretary